

AD-A207 966

DTIC FILE COPY

# SMOS

## SUMMARY OF METEOROLOGICAL OBSERVATIONS, SURFACE

STATION:	#43319 Atsugi, Japan
LAT:	35:27 N. LONG. 139:27 E.
PERIOD:	HOURLY: 1951-1987
	DAILY: 1951-1971
ELEVATION:	214 feet
JOB NO.	TASK RNSABZKA
DATE	April 1989

PREPARED BY  
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UNCLASSIFIED

SECURITY CLASSIFICATION OF THIS PAGE (When Data Entered)

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20. ABSTRACT (Continue on reverse side if necessary and identify by block number) This data report consists of a six part statistical summary of surface weather observations. The six parts are: Part A - Weather Conditions/Atmospheric Phenomena, Part B - Precipitation/Snowfall/Snow Depth, Part C - Surface Winds, Part D - Ceiling versus Visibility/Sky Cover, Part E - Psychrometric Summaries, Part F - Station Pressure/Sea Level Pressure.		

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SECURITY CLASSIFICATION OF THIS PAGE (When Data Entered)

From: Officer in Charge, Naval Oceanography Command Detachment Asheville

9 MAY 1989

Subj: SUMMARY OF METEOROLOGICAL OBSERVATIONS, SURFACE (SMOS)

1. Discussion. This edition of the SMOS was produced utilizing a revised software package. The product has been expanded to include station climatic summary tables and is considered a stand alone publication. This update includes the period of record (POR) through 1986 for all hourly and daily data. Our revised production methodology incorporates two computerized editing phases after the initial processing stage and a manual review and intervention of suspect data prior to the print phase. Every effort has been made to produce at least a 99.9 percent data perfect product based on the stations observation data. We have switched to a direct computer printout on standard computer paper instead of the previous print format. This results in a 85 percent print cost savings over our old specialized print format.

2. Weather Conditions. This summary is a percentage frequency occurrence of various atmospheric phenomena and obstructions to vision, derived from 3-hourly observations, and is presented in two tables as follows:

Table 13 By month, all years combined, by standard 3-hour groups and all hours combined.

Table 14 By month and annual, all hours and years combined, by wind direction.

Occurrences of the various phenomena included in each category on the forms are listed below:

- a. Thunderstorms - All reported occurrences of thunderstorm, tornado, and waterspout.
- b. Rain and/or drizzle - All liquid precipitation, falling to the ground, not freezing.
- c. Freezing rain and/or freezing drizzle (glaze) - Precipitation falling in liquid form, but freezing on contact with an unheated surface.
- d. Snow and/or sleet - Included are snow, sleet, snow pellets (soft hail), snow grains, and ice crystals.
- e. Hail - Occurrences of hail and small hail are included.
- f. Percentage of observations with precipitation - Included in this category are the observations when one or more of the above phenomena occurred. Since more than one type of precipitation may be reported in the same observation, the sums of the individual categories may exceed the total columns.
- g. Fog - Included are fog, ice fog, and ground fog.
- h. Smoke and/or haze - Occurrences of smoke, haze, or combinations of smoke and haze are included.
- i. Blowing snow - Occurrences of blowing snow also drifting snow when reported from non-WBAN sources.
- j. Dust and/or sand - Included are blowing dust, blowing sand, and dust.
- k. Blowing spray - This item if reported, is not shown in a separate category on this table but is included in the computation Percentage of Observations with Obstructions to Vision.

1. Percentage of observations with obstructions to vision - Included in this category are the observations when one or more of the above obstructions to vision occurred. Since more than one type of obstruction may be reported in the same observation, the sums of the individual categories may exceed the percentage total columns. Also, although precipitation may reduce visibility, it is not considered an obstruction to vision for purposes of this summary; therefore, the percentage total of obstructions to vision need not reflect the total observations with reduced visibility.

NOTE: The total number of observations may vary among tables within the same month and period. Percentages may not always equal 100.0 due to rounding practices.

3. Atmospheric Phenomena Table 36: This summary is a presentation of the percentage of days with occurrences of various atmospheric phenomena. These data are obtained from all recorded information on the reporting forms and combined into a daily observation.

a. The descriptions of the phenomena in the Weather Conditions Summary above also apply for the categories summarized in these tabulations. However, it should be noted that in this summary the columns headed "% OF OBS WITH PRECIP" and "% OF OBS WITH OBST TO VISION" show the percentage of days rather than percentage of observations. Since more than one type of precipitation or more than one type of obstruction may occur in the same daily observation, the sum of the values in the individual columns may not equal the total columns.

b. This presentation is by month with annual totals, and is prepared with all years combined.

NOTE: A day with rain and/or drizzle was not separately reported in WBAN data prior to January 1949. Therefore percentages in this column are restricted to the period January 1949 and later.

A day with dust and/or sand was punched and included in this summary only when visibility was less than 5/8 mile.

4. Precipitation, Snowfall and Snow Depth. These elements are presented using the daily amounts and extreme value.

a. Tables 8, 9, and 10 provide for each element separately the percentage frequency of various daily amounts, by month and annual, all years combined. The percentage of days with measurable amounts is also computed monthly and annually. Also shown for the precipitation and snowfall tables, are the monthly mean amounts, annual mean amounts (sum of monthly mean amounts), and the extreme monthly amounts (greatest and least).

b. Table 21 for each element presents the extreme daily amounts by individual month and day for the entire period of record available.

c. Tables 23, 24, and 25 provide for each element separately individual year and month extreme daily amounts and the means and standard deviations for each month and annual for all months combined.

NOTE 1: Snow depth was recorded and punched at various hours during the period available from U.S. operated stations. The periods and hours used in the snow depth summary vary by service and period as follows:

U.S. Navy and Weather Bureau Stations:

From beginning of record thru Jun 52 - Snow depth at 0030 UTC  
Jul 52 - May 57                      Snow depth at 1230 UTC  
Jun 57 - present                      Snow depth at 1200 UTC

NOTE 2: Hail was included in snowfall occurrence in the summary of the day observation prior to Jan 1956, and after Dec 1979.



## 5. Surface Winds.

a. Extreme Values - Peak Gusts Table 27: Derived from daily observations and presented by individual year and month for the entire period of record available. Speeds are presented in knots, while directions are given in 16 compass points from the beginning of record through 1963, and in tens of degrees starting in January 1964. When 90% or more of the daily observations of peak gust wind data are available for a month, the extreme is selected and printed. These values are then used to compute means and standard deviations for the entire period. Every month of a year must have valid observations present before the ALL MONTHS value is selected for that year. Means and standard deviations are computed when four or more values are present for any column. A supplementary list of Peak Gusts by year-month with (90% observations reported is also provided.

b. Bivariate percentage frequency tabulations: Derived from hourly observations, these tabulations are a percentage frequency of wind directions to 16 compass points and calm by wind speeds (knots) in increments of Beaufort classifications. Percentages are shown by both direction and speed, and in addition the mean wind speed for each direction. A separate category is provided on the form for variable winds, which are reported in some data sources. In these data where light and variable winds are reported with no directions but with speeds given, the speeds will be summarized in the appropriate groups opposite the column headed VARBL.

Table 1 contains three presentations prepared for all surface winds included, and for all years combined as follows:

- (a) By month - by standard 3-hour groups
- (b) By month - all hours combined
- (c) Annual - all hours combined

6. Ceiling Versus Visibility Table 2. This summary is a bivariate percentage frequency distribution by classes of ceiling from zero to equal to or greater than 20,000 feet and as a separate class "no ceiling" versus visibility in 16 classes from zero to equal to or greater than 10 miles. Data are derived from 3-hourly observations, and three sets of tables are presented as follows:

- (a) By Month - by standard 3-hour groups
- (b) By Month - all years and all hours combined
- (c) Annual - all years and all hours combined

Due to the cumulative nature of this presentation, it is possible to determine the percentage frequency of occurrence for any given limit of ceiling or visibility separately, or in combination of ceiling and visibility. The totals progress to the right and downward. Ceiling may be determined independently by referring to totals in the extreme right hand column. Also, visibility may be determined independently by reference to the horizontal row of totals at the bottom of the page. The percentage frequency for which the station was meeting or exceeding any given set of minimal may be determined from the figure at the intersection of the appropriate ceiling column and visibility row. Several examples in the use of these tables are shown on the following pages.

Beginning in July 1948 for U. S. Air Force stations and January 1949 for National Weather Service (NWS) and U.S. Navy stations the "no ceiling" category consists of observations with less than 6/10 total sky cover and those cases where total sky cover is 6/10 or more, but not more than 1/2 of the sky cover is opaque.

# EXAMPLES FOR USE OF CEILING VERSUS VISIBILITY TABLES IN THIS TABULATION

CEILING (FEET)	VISIBILITY (STATUTE MILES)										
	≥ 10	≥ 5	≥ 4	≥ 3	≥ 2 1/2	≥ 2	≥ 1 1/2	≥ 1 1/4	≥ 1	≥ 3/4	≥ 0
NO CEILING											
≥ 1800											
≥ 1500				91.0							92.6
≥ 1200											
≥ 1000											
≥ 900											
≥ 800											
≥ 700											
≥ 600											
≥ 500											
≥ 400											
≥ 300									97.4		98.1
≥ 200											
≥ 100											
0				95.4		96.9			98.3		100.0

EXAMPLE # 1: Read ceiling values independently of visibility under column at right headed > 0. For instance, from the table:

Ceiling ≥ 1500 feet = 92.6%.  
Ceiling ≥ 500 feet = 98.1%.

EXAMPLE # 2: Read visibilities independently of ceilings on bottom line opposite > 0. From the tables:

Visibility ≥ 3 miles = 95.4%.  
Visibility ≥ 2 miles = 96.9%.  
Visibility ≥ 1 mile = 98.3%.

EXAMPLE # 3: To obtain combinations of ceiling with visibility, read figure at intersection of the two categories; i.e.: Ceiling ≥ 1500 feet with visibility ≥ 3 miles = 91.0%.

EXAMPLE # 4: Values below minimums stated in the table may be obtained by subtracting the value given in the table from 100%. Thus, to obtain the percentage of observations with ceiling < 1500 feet and/or visibility < 3 miles, subtract the value read from the table at the intersection, which is 91.0, from 100.0. The answer 9.0 is the percentage of observations with ceiling < 1500 feet and/or visibility < 3 miles.

Likewise, the percentage of observations with ceiling < 500 feet and/or visibility < 1 mile is 2.6, obtained by subtracting 97.4 from 100.0.

EXAMPLE # 5: To find the percentage of observations falling within the two categories given in example above, subtract the value read from the table for the first set of limits from the value in the table for the second set of limits. The difference will be the percentage of observations meeting the lower set of limits, but not meeting the higher set of limits.

The value 91.0 read from the table at the intersection of  $\geq 1500$  feet with  $\geq 3$  miles, subtracted from 97.4 read from the table at the intersection of  $\geq 500$  feet with  $\geq 1$  mile is equal to 6.4%. Thus: 6.4 percent of the observations meet the criteria: ceiling  $\geq 500$  feet with visibility  $\geq 1$  mile, but  $< 3$  miles; or ceiling  $\geq 500$  feet, but  $< 1500$  feet with visibility  $\geq 1$  miles.

Since these tabulations are prepared in several ways including by month, by 3-hour groups it is possible to determine diurnal variations of ceiling and visibility limits as well as probabilities of various ceiling-visibility combinations.

7. Sky Cover Table 11. This summary is prepared from 3-hourly observations and is a percentage frequency distribution of total sky cover (see Note 3) and total number of observations. It is presented as follows:

By month and annual - by standard 3-hour groups, and all hours combined.

NOTE: #1: Sky cover (total cloud amount) was not reported by U.S. Services until mid 1945. Data, when available, were punched for Air Force stations beginning in 1946, but were not available for Navy stations until 1948 or 1949. NWS stations recorded total cloud amount in remarks beginning sometime in 1945, but few stations have punched data prior to 1948. This summary will, of course, be limited to period of available data.

NOTE: #2: Some data sources used for this summary report cloud amounts in oktas. These have been converted to tenths prior to summarizing, and notation is made on the form to indicate that data were originally reported in oktas. The manner of conversion is given below:

<u>OKTAS</u>	<u>TENTHS</u>
0	0
1	1
2	2
3	3
4	4
5	5
6	6
7	8
8	9
8 (or obscured)	10

NOTE: #3: Beginning in 1981 the symbols of Clear, Scattered, Broken, Overcast, and Obscured were used as input for the total Sky Cover. Following are the conversions:

0/10 equates to clear  
 1/10 to 5/10 equates to scattered  
 6/10 to 9/10 equates to broken  
 10/10 equates to overcast

8. Psychrometric Summaries.

a. Cumulative percentage frequency of occurrence - derived from daily observations and presented by month and annual for all years combined. These tabulations provide the cumulative percentage frequency to tenths of temperature by 5-degree Fahrenheit increments, plus mean temperature, standard deviation, and total number of observations in three separate tables as follows:

Table 5 Daily maximum temperature  
Table 6 Daily minimum temperature  
Table 7 Daily mean temperature

b. Daily Average/Extreme Temperatures Table 29 derived observations and presented for each month and day for entire period of record available are average temperature, average and extreme maximum temperature, average and extreme minimum.

c. Extreme values - derived from daily observations with extreme value given for each year and month of record available. Extremes are provided for a month if all days for a month contain valid observations. All months for a year must have valid extremes before the ANNUAL value is selected for that year. Means and standard of daily extreme temperatures are prepared:

Table 30 Extreme maximum temperature

Table 31 Extreme minimum temperature

NOTE: A supplementary list also provides extreme temperatures when less than a full month is reported.

d. Bivariate percentage frequency distribution and computations of dry-bulb versus wet-bulb temperature  
Table 3. This tabulation is derived from 3-hourly observations and is presented by month and annual, all hours and all years combined. The following information is provided:

(1) The main body of the summary consists of a bivariate percentage frequency distribution of wet-bulb depression in 17 classes spread horizontally; by 2-degree intervals of dry-bulb temperature vertically. Also provided for each dry-bulb temperature interval is the total number of observations with dry-bulb and wet-bulb temperature combined; and again for dry-bulb, wet-bulb, and dew-point temperatures separately. Total observations for these four items is also provided in two lines at end of each tabulation table.

NOTE: A percentage frequency in this table of ".0" represents one or more occurrences amounting to less than .05 percent.

(2) Statistical data for the individual elements of relative humidity, dry-bulb, wet-bulb, and dew-point temperatures are shown in the section at the bottom left of each page. These consist of the sum of squares ( $\sum X^2$ ), sums of values ( $\sum X$ ), means ( $\bar{X}$ ), and standard deviations ( $\sigma_X$ ). The number of observations used in the computations for each element is also shown.

(3) At the lower right of each page Table 40 gives the mean number of hours of occurrence for six ranges of dry-bulb, wet-bulb, and dew-point temperatures, and total number of hours possible in the period represented. Mean number of hours is shown to tenths and indicates mean number of hours per year in the annual summary, or mean number of hours per month in the tabulations by month.

NOTE: Wet-bulb temperature usually was not reported prior to 1946. Relative humidity usually was not reported prior to 1949, nor subsequent to June 1958; and was computed by machine methods for observations recorded during these periods. All values of dew-point temperature and relative humidity are with respect to water, unless otherwise indicated.

d. Means and standard deviations. These tabulations are derived from hourly observations and present the mean, standard deviation, and total number of observations for the eight standard 3-hour groups, by month and annual and again at the bottom for all hours combined. Records for all years available are combined. Tables are prepared for the following:

Table 15 Dry-bulb temperature

Table 16 Wet-bulb temperature

Table 17 Dew-point temperature

e. Cumulative percentage frequency of occurrence of relative humidity Table 12. This summary is derived from hourly observations and presents the cumulative percentage frequency of occurrence of relative humidity by increments of 10% classes, plus the mean relative humidity and total number of observations in two tables.

By Month and Annual - by standard 3-hour groups, and all hours combined with the hour groups being the vertical argument. All years are combined for this summary.

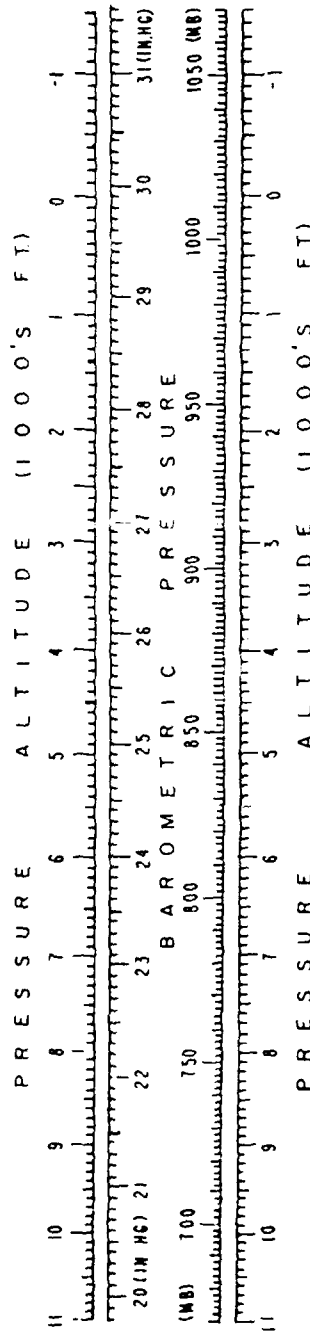
f. Percentage frequency of occurrence of dry-bulb temperature versus wind direction Table 4. This tabulation is derived from hourly observations and is presented by month and annual, all hours and years combined. The main body of the summary consists of dry bulb temperatures spread vertically in five degree increments and horizontally by eight wind directions (plus calm).

9. Pressure Summary. Two tables giving the means, standard deviations, and total number of observations of station pressure and sea-level pressure by month and annual for the local hourly observations corresponding to the eight 3-hourly synoptic times UTC. The same computations are also provided at the bottom of the page for all hours combined. All years of data available are combined in both of these tables.

Table 18 Station pressure in inches of mercury

Table 19 Sea-level pressure in millibars

Provided below is a scale to convert station pressure values in inches of mercury or millibars to pressure latitude in 1000's of feet. This scale is an enlarged model of the pressure latitude scale in the Smithsonian Meteorological Tables.



*M. L. Dickenson*  
M. L. DICKENSON

**TABULATION INDEXES BY NUMBER**

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043319 : ATSUGI, JAPAN  
 PERIOD OF RECORD : 1951-1987  
 CLASS : ALL WEATHER  
 CONDITION : NONE SPECIFIED

LAT. : 35 27N LONG. : 139 27E ELEV. : 214 FT  
 MONTH : JAN  
 HOUR : 0000 LST

PERCENTAGE FREQUENCY OF WIND  
 DIRECTION VS SPEED  
 (FROM HOURLY OBSERVATIONS)

16 PT. DIR.	SPEED (KNOTS)																TOTAL %	MEAN WIND SPEED
	1 - 3	4 - 6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	>=56							
N	8.7	16.5	9.3	2.4	.2	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	37.2	5.7
NNE	2.4	5.6	4.0	1.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	13.2	6.2
NE	1.1	1.2	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.4	4.2
ENE	.3	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.6	3.2
E	.3	.2	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.7	4.9
ESE	.1	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.3	3.3
SE	.2	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.3	3.7
SSE	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	2.5
S	.2	.5	.2	.3	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.5	8.7
SSW	.1	.5	.3	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.2	7.8
SW	.7	.7	.8	.4	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.5	7.9
WSW	.2	.4	1.1	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.1	7.9
W	1.0	.3	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.5	3.8
WNW	.1	1.1	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.4	5.3
NW	1.8	2.1	.5	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	4.8	4.8
NNW	4.4	7.5	4.4	1.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	17.4	5.6
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CLM	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	12.6	.0
ALL	21.5	37.3	21.4	6.4	.6	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0	5.0

TOTAL NO. OF OBS : 946

NOTES : \* = PERCENT < .05

C43319 : ATSUGI, JAPAN  
 PERIOD OF RECORD : 1951-1987  
 CLASS : ALL WEATHER  
 CONDITION : NONE SPECIFIED

LAT. : 35 27N LONG. : 139 27E ELEV. : 214 FT  
 MONTH : JAN  
 HOUR : 0300 LST

PERCENTAGE FREQUENCY OF WIND  
 DIRECTION VS SPEED  
 (FROM HOURLY OBSERVATIONS)

16 PT. DIR.	1	2	3	4	5	6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	>=56	TOTAL	MEAN WIND SPEED
N	9.1	16.8	10.0	2.2	.0	.0	.3	.0	.0	.0	.0	.0	.0	.0	.0	38.4	5.7
NNE	2.0	4.9	3.2	1.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	11.5	6.3
NE	1.2	1.2	.5	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.0	4.6
ENE	.7	.3	.3	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.5	4.4
E	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	1.5
ESE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
SE	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	7.0
SSE	.1	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.3	3.0
S	.7	.4	.3	.3	.1	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	1.6	9.3
SSW	.4	.5	.7	.1	.1	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	2.0	7.8
SW	.2	.7	.7	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.0	7.3
WSW	.1	.2	.7	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.3	8.3
W	.6	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.8	3.3
WNW	.6	.2	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.1	3.8
NW	1.3	1.7	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.4	4.1
NNW	4.4	6.8	4.2	1.0	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	16.5	5.7
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CLW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	16.3	.0
ALL	21.3	34.1	21.7	5.7	.1	.1	.6	.1	.1	.1	.1	.0	.0	.0	.0	100.0	4.8

TOTAL NO. OF OBS : 942

NOTES :  
 # = PERCENT < .05



# 1 - SURFACE WINDS

043319 : ATSUGI, JAPAN  
 PERIOD OF RECORD : 1951-1987  
 CLASS : ALL WEATHER  
 CONDITION : NONE SPECIFIED

LAT. : 35 27N LONG. : 139 27E ELEV. : 214 FT  
 MONTH : JAN  
 HOUR : 0600 LST

## PERCENTAGE FREQUENCY OF WIND DIRECTION VS SPEED (FROM HOURLY OBSERVATIONS)

16 PT. DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	>=56	TOTAL %	MEAN WIND SPEED
N	9.0	16.8	9.4	2.6	.0	.0	.0	.0	.0	.0	.0	37.9	5.7
NNE	3.8	5.8	4.0	.8	.0	.0	.0	.0	.0	.0	.0	14.4	5.7
NE	.9	1.2	.8	.3	.0	.0	.0	.0	.0	.0	.0	3.2	5.6
ENE	.6	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.8	3.0
E	.2	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.3	3.0
ESE	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.1	10.0
SE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
SSE	.3	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.4	3.8
S	.4	.2	.3	.3	.0	.0	.0	.0	.0	.0	.0	1.1	6.7
SSW	.1	.4	.7	.5	.0	.1	.0	.0	.0	.0	.0	1.7	9.2
SW	.2	.4	.5	.6	.1	.0	.0	.0	.0	.0	.0	1.7	8.8
WSW	.2	.7	.4	.4	.0	.0	.0	.0	.0	.0	.0	1.6	7.4
W	.6	.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.0	3.6
WNW	.5	.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.1	3.8
NW	2.0	1.7	.4	.0	.0	.0	.0	.0	.0	.0	.0	4.1	3.9
NNW	4.2	5.7	3.2	1.1	.0	.0	.0	.0	.0	.0	.0	14.3	5.6
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CLM	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
ALL	22.8	34.1	19.8	6.4	.5	.1	.0	.0	.0	.0	.0	100.0	4.7

TOTAL NO. OF OBS : 1056

NOTES :  
 \* = PERCENT < .05

# 1 - SURFACE WINDS

043319 : AHSUGI, JAPAN  
 PERIOD OF RECORD : 1951-1987  
 CLASS : ALL WEATHER  
 CONDITION : NONE SPECIFIED

LAT. : 35 27N LONG. : 139 27E ELEV. : 214 FT  
 MONTH : JAN  
 HOUR : 0900 LST

## PERCENTAGE FREQUENCY OF WIND DIRECTION VS SPEED (FROM HOURLY OBSERVATIONS)

16 PT. DIR.		1	3	4	6	7-10	11-16	17-21	SPEED (KNOTS)					TOTAL %					MEAN WIND SPEED
		1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	>56							
N	6.0	10.9	11.5	3.7	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	32.3	6.7	
NNE	2.9	5.3	5.2	1.7	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	15.3	6.6	
NE	1.7	2.5	1.2	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	5.8	5.5	
ENE	.9	.7	.3	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.1	5.0	
E	.7	.4	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.1	3.3	
ESE	.3	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.6	3.0	
SE	.5	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.7	2.7	
SSE	.3	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.4	2.8	
S	.9	.5	.8	.3	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.5	6.7	
SSW	.4	.7	.0	.6	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.7	7.5	
SW	.3	.6	.9	1.1	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.1	9.4	
WSW	.3	.3	.7	.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.0	8.9	
W	.7	.4	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.1	4.2	
WNW	.9	.4	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.3	3.3	
NW	1.8	1.2	1.0	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	4.3	4.9	
NNW	2.6	4.8	3.6	1.0	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	12.4	6.4	
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
CLM	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	13.3	.0	
ALL	20.9	29.1	25.3	10.3	1.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0	5.5	

TOTAL NO. OF OBS : 1048

NOTES :  
 \* = PERCENT < .05

# 1 - SURFACE WINDS

043319 : ATSUGI, JAPAN LAT. : 35 27N LONG. : 139 27E ELEV. : 214 FT  
 PERIOD OF RECORD : 1951-1987 MONTH : JAN  
 CLASS : ALL WEATHER HOUR : 1200 LST  
 CONDITION : NONE SPECIFIED

## PERCENTAGE FREQUENCY OF WIND DIRECTION VS SPEED (FROM HOURLY OBSERVATIONS)

16 PT.		SPEED (KNOTS)																TOTAL		MEAN	
DIR.		1	2	3	4	5	6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	>56	%	WIND	SPEED		
N		.3		3.8		6.6		4.7		.8		.0	.0	.0	.0	.0	16.3		9.3		
NNE		1.9		4.7		6.6		2.9		.1		.0	.0	.0	.0	.0	16.3		7.5		
NE		1.3		3.6		2.9		.9		.0		.0	.0	.0	.0	.0	8.6		6.3		
ENE		1.7		2.5		1.3		.3		.0		.0	.0	.0	.0	.0	5.8		5.1		
E		1.6		2.0		.4		.0		.0		.0	.0	.0	.0	.0	4.0		4.1		
ESE		.8		1.4		.0		.1		.0		.0	.0	.0	.0	.0	2.3		4.0		
SE		1.3		1.6		.0		.0		.0		.0	.0	.0	.0	.0	3.0		3.6		
SSE		1.6		1.9		.6		.1		.0		.0	.0	.0	.0	.0	4.2		4.7		
S		2.2		4.2		2.3		1.8		.2		.1	.0	.0	.0	.0	10.9		6.9		
SSW		.7		1.5		3.6		2.0		.5		.0	.0	.0	.0	.0	8.3		9.1		
SW		.5		1.2		1.5		1.4		.8		.0	.0	.0	.0	.0	5.4		10.2		
WSW		.2		.3		.8		.4		.3		.0	.0	.0	.0	.0	1.9		10.1		
W		.5		.2		.4		.3		.0		.0	.0	.0	.0	.0	1.3		6.6		
WNW		.2		.1		.4		.5		.2		.0	.0	.0	.0	.0	1.3		10.3		
NW		.4		.3		.1		.3		.0		.0	.0	.0	.0	.0	1.1		6.8		
NNW		.6		.9		1.4		1.3		.2		.0	.0	.0	.0	.0	4.3		9.2		
VAR		.0		.0		.0		.0		.0		.0	.0	.0	.0	.0	.0		.0		
CLM		.0		.0		.0		.0		.0		.0	.0	.0	.0	.0	5.0		.0		
ALL		15.8		30.3		28.9		16.9		3.0		.1	.0	.0	.0	.0	100.0		7.1		

TOTAL NO. OF OBS : 1039

NOTES :  
 \* = PERCENT < .05

# 1 - SURFACE WINDS

043319 : ATSUGI, JAPAN  
 PERIOD OF RECORD : 1951-1987  
 CLASS : ALL WEATHER  
 CONDITION : NONE SPECIFIED

LAT. : 35 27N LONG. : 139 27E ELEV. : 214 FT  
 MONTH : JAN  
 HOUR : 1500 LST

PERCENTAGE FREQUENCY OF WIND  
 DIRECTION VS SPEED  
 (FROM HOURLY OBSERVATIONS)

SPEED (KNOTS)																TOTAL	MEAN																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																				
16 PT. 1 1 - 31 4 - 61 7-101 11-161 17-211 22-271 28-331 34-401 41-471 48-551 >=561																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																					
DIR.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																	
N	.8	2.6	3.9	4.1	1.1	.4	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0

TOTAL NO. OF OBS : 1051

NOTES : PERCENT < .05

# 1 - SURFACE WINDS

043319 : ATSUGI, JAPAN LAT. : 35 27N LONG. : 139 27E ELEV. : 214 FT  
 PERIOD OF RECORD : 1951-1987 MONTH : JAN  
 CLASS : ALL WEATHER HOUR : 1800 LST  
 CONDITION : NONE SPECIFIED

## PERCENTAGE FREQUENCY OF WIND DIRECTION VS SPEED (FROM HOURLY OBSERVATIONS)

DIR.	SPEED (KNOTS)																TOTAL Σ	MEAN WIND SPEED
	16-21	21-26	26-31	31-36	36-41	41-46	46-51	51-56	56-61	61-66	66-71	71-76	76-81	81-86	86-91	91-96		
N	4.7	7.7	6.8	4.5	.3	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	24.1	7.0
NNE	1.8	5.9	5.3	2.4	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	15.6	7.1
NE	2.2	3.3	1.9	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	7.5	5.1
ENE	2.2	1.7	.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	4.8	4.2
E	2.0	1.5	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.6	3.4
ESE	1.1	1.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.2	3.3
SE	1.5	.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.4	3.0
SSE	.8	.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.2	3.1
S	.8	1.3	.5	.4	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.1	6.0
SSW	.7	1.1	1.2	1.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	4.1	7.6
SW	.5	.8	1.9	1.2	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	4.6	8.8
WSW	.6	1.2	.9	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.1	6.6
W	1.2	.6	.4	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.5	5.0
WNW	.0	.6	.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.0	6.6
NW	.8	.7	.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.1	4.7
NNW	1.7	2.2	1.2	1.4	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	6.7	7.0
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CLM	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	11.3	.0
ALL	22.5	31.0	22.1	11.9	.9	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0	5.6

TOTAL NO. OF OBS : 1061

NOTES :  
 \* = PERCENT < .05

043319 : ATSUGI, JAPAN  
 PERIOD OF RECORD : 1951-1987  
 CLASS : ALL WEATHER  
 CONDITION : NONE SPECIFIED

LAT. : 35 27N LONG. : 139 27E ELEV. : 214 FT  
 MONTH : JAN  
 HOUR : 2100 LST

PERCENTAGE FREQUENCY OF WIND  
 DIRECTION VS SPEED  
 (FROM HOURLY OBSERVATIONS)

SPEED (KNOTS)																TOTAL	MEAN
16 PT. DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	>=56	#	WIND	SPEED			
N	8.0	12.8	9.8	3.6	.4	.1	.0	.0	.0	.0	.0	.0	34.7	6.3			
NNE	1.8	4.7	4.6	1.0	.3	.0	.0	.0	.0	.0	.0	.0	12.4	6.9			
NE	.8	1.0	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.2	4.7			
ENE	.4	.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.2	3.7			
E	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	3.0			
ESE	.6	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.7	2.7			
SE	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	4.0			
SSE	.5	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.7	2.9			
S	.6	.5	.2	.2	.1	.0	.0	.0	.0	.0	.0	.0	1.5	5.9			
SSW	.3	.7	.3	.4	.1	.0	.0	.0	.0	.0	.0	.0	1.7	7.6			
SW	.6	1.1	1.6	.8	.1	.0	.0	.0	.0	.0	.0	.0	4.2	7.6			
WSW	.8	.7	.8	.7	.0	.0	.0	.0	.0	.0	.0	.0	2.9	7.0			
W	.4	.5	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.0	4.3			
WNW	.9	1.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.9	3.7			
NW	2.9	3.6	.7	.3	.1	.0	.0	.0	.0	.0	.0	.0	7.5	4.7			
NNW	5.1	7.9	3.8	.5	.2	.1	.0	.0	.0	.0	.0	.0	17.5	5.5			
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0			
CLM	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	9.6	.0			
ALL	23.5	35.6	22.4	7.4	1.2	.2	.0	.0	.0	.0	.0	.0	100.0	5.4			

TOTAL NO. OF OBS : 1049

NOTES :  
 # = PERCENT < .05

# 1 - SURFACE WINDS

043319 : ATSUGI, JAPAN  
 PERIOD OF RECORD : 1951-1987  
 CLASS : ALL WEATHER  
 CONDITION : NONE SPECIFIED

LAT. : 35 27N LONG. : 139 27E ELEV. : 214 FT  
 MONTH : JAN  
 HOUR : ALL

## PERCENTAGE FREQUENCY OF WIND DIRECTION VS SPEED (FROM HOURLY OBSERVATIONS)

DIR.	SPEED (KNOTS)																TOTAL %	MEAN WIND SPEED
	1-5	6-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	>=56								
N	5.7	10.8	8.4	3.5	.5	.1	.0*	.0	.0	.0	.0	.0	.0	.0	.0	.0	29.0	6.6
NNE	2.2	5.1	4.8	1.7	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	14.0	6.8
NE	1.3	.1	1.5	.4	.0*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	5.3	5.8
ENE	1.0	1.1	.6	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.8	4.9
E	.8	1.1	.3	.0*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.1	4.4
ESE	.5	.6	.3	.0*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.4	4.5
SE	.5	.6	.2	.0*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.3	4.4
SSE	.6	.7	.4	.0*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.8	4.8
S	.8	1.5	1.3	.7	.1	.0*	.0*	.0	.0	.0	.0	.0	.0	.0	.0	.0	4.5	7.2
SSW	.4	1.0	1.2	1.0	.2	.0*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.8	8.9
SW	.3	.8	1.2	1.0	.4	.0*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.7	9.3
WSW	.3	.5	.7	.5	.0*	.0*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.1	8.1
W	.6	.3	.2	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.3	5.0
WNW	.4	.5	.2	.1	.0*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.3	5.6
NW	1.4	1.4	.5	.2	.0*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.5	4.7
NNW	2.8	4.5	2.8	1.1	.2	.0*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	11.4	6.2
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CLM	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	10.7	.0
ALL	19.7	32.7	24.5	10.6	1.5	.2	.0*	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0	5.8

TOTAL NO. OF OBS : 8192

NOTES :  
 \* = PERCENT < .05

043319 : AITSUGI, JAPAN  
 PERIOD OF RECORD : 1951-1987  
 CLASS : ALL WEATHER  
 CONDITION : NONE SPECIFIED

LAT. : 35 27N LONG. : 139 27E ELEV. : 214 FT  
 MONTH : JAN  
 HOUR : 0000 LST

PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)

CEILING	VISIBILITY (STATUTE MILES)															
	>=10	>=6	>=5	>=4	>=3	>=2	1/2	>=1	1/2	>=1	1/4	>=1/4	>=5/8	>=1/2	>=5/16	>=1/4
UNLIMIT	48.8	62.7	67.5	70.2	73.0	73.4	73.9	74.3	74.5	74.5	74.5	74.6	74.6	74.6	74.6	74.6
>=20000	48.9	63.0	67.9	70.6	73.4	73.8	74.3	74.7	74.8	74.8	74.8	75.0	75.0	75.0	75.0	75.0
>=18000	48.9	63.1	68.0	70.7	73.5	73.9	74.5	74.8	75.0	75.0	75.0	75.1	75.1	75.1	75.1	75.1
>=16000	48.9	63.1	68.0	70.7	73.5	73.9	74.5	74.8	75.0	75.0	75.0	75.1	75.1	75.1	75.1	75.1
>=14000	49.2	63.4	68.3	71.0	73.8	74.2	74.7	75.1	75.2	75.2	75.2	75.4	75.4	75.4	75.4	75.4
>=12000	49.3	63.7	68.6	71.5	74.3	74.7	75.2	75.6	75.7	75.7	75.7	75.9	75.9	75.9	75.9	75.9
>=10000	49.9	65.2	70.5	73.3	76.1	76.5	77.2	77.5	77.7	77.7	77.7	77.8	77.8	77.8	77.8	77.8
>=9000	50.1	65.4	70.8	73.7	76.5	76.9	77.5	77.9	78.1	78.1	78.1	78.2	78.2	78.2	78.2	78.2
>=8000	51.1	66.6	72.1	75.2	78.1	78.5	79.1	79.5	79.6	79.6	79.6	79.7	79.7	79.7	79.7	79.7
>=7000	51.4	67.1	72.8	76.0	78.8	79.4	80.0	80.4	80.5	80.5	80.5	80.6	80.6	80.6	80.6	80.6
>=6000	52.5	69.0	74.8	78.2	81.0	81.5	82.2	82.6	82.7	82.7	82.7	82.8	82.8	82.8	82.8	82.8
>=5000	54.5	72.0	78.2	81.9	84.8	85.3	85.9	86.5	86.6	86.6	86.6	86.7	86.7	86.7	86.7	86.7
>=4500	55.2	73.5	79.9	83.9	87.0	87.5	88.3	88.8	88.9	88.9	88.9	89.0	89.0	89.0	89.0	89.0
>=4000	55.9	75.1	81.7	85.7	88.9	89.4	90.3	90.8	91.0	91.0	91.0	91.1	91.1	91.1	91.1	91.1
>=3500	56.3	75.5	82.1	86.2	89.4	90.2	91.1	91.6	91.7	91.7	91.7	91.9	91.9	91.9	91.9	91.9
>=3000	56.4	76.0	82.8	87.1	90.3	91.4	92.4	92.9	93.0	93.0	93.0	93.2	93.2	93.2	93.2	93.2
>=2500	56.5	76.9	83.9	88.3	91.5	92.8	93.9	94.5	94.6	94.6	94.6	94.7	94.7	94.7	94.7	94.7
>=2000	56.5	77.0	84.1	88.8	92.3	93.7	95.0	95.5	95.7	95.7	95.7	95.9	95.9	95.9	95.9	95.9
>=1800	56.6	77.3	84.5	89.2	92.8	94.2	95.5	96.0	96.3	96.3	96.3	96.4	96.4	96.4	96.4	96.4
>=1500	56.6	77.4	84.8	89.5	93.5	95.2	96.8	97.4	97.7	97.7	97.7	97.8	97.8	97.8	97.8	97.8
>=1200	56.6	77.5	85.2	89.9	94.1	95.7	97.4	98.3	98.6	98.6	98.6	98.7	98.7	98.7	98.7	98.7
>=1000	56.6	77.5	85.2	89.9	94.1	95.9	97.7	98.6	98.8	98.8	98.8	99.0	99.0	99.0	99.0	99.0
>=900	56.6	77.5	85.2	90.1	94.2	96.0	97.8	98.7	99.0	99.0	99.0	99.1	99.1	99.1	99.1	99.1
>=800	56.6	77.5	85.2	90.2	94.3	96.3	98.1	99.0	99.2	99.2	99.2	99.4	99.4	99.4	99.4	99.4
>=700	56.6	77.5	85.2	90.2	94.3	96.3	98.1	99.0	99.2	99.2	99.2	99.4	99.4	99.4	99.4	99.4
>=600	56.6	77.5	85.2	90.2	94.3	96.3	98.1	99.1	99.4	99.4	99.4	99.6	99.6	99.6	99.6	99.6
>=500	56.6	77.5	85.2	90.2	94.3	96.3	98.1	99.1	99.4	99.4	99.4	99.6	99.6	99.6	99.6	99.6
>=400	56.6	77.5	85.2	90.2	94.3	96.3	98.1	99.1	99.4	99.4	99.4	99.6	99.6	99.6	99.6	99.6
>=300	56.6	77.5	85.2	90.2	94.3	96.3	98.1	99.1	99.4	99.4	99.4	99.6	99.6	99.6	99.6	99.6
>=200	56.6	77.5	85.2	90.2	94.3	96.3	98.1	99.1	99.4	99.4	99.4	99.6	99.6	99.6	99.6	99.6
>=100	56.6	77.5	85.2	90.2	94.3	96.3	98.1	99.1	99.4	99.4	99.4	99.6	99.6	99.6	99.6	99.6
>=0	56.6	77.5	85.2	90.2	94.3	96.3	98.1	99.1	99.4	99.4	99.4	99.6	99.6	99.6	99.6	100.0

TOTAL NO. OF OBS : 775



## 2 - CEILING VS VISIBILITY

083319 : AISUGI, JAPAN  
 PERIOD OF RECORD : 1951-1987  
 CLASS : ALL WEATHER  
 CONDITION : NONE SPECIFIED

LAT. : 35 27N LONG. : 139 27E ELEV. : 214 FT  
 MONTH : JAN  
 HOUR : 0300 LST

PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)

CEILING	VISIBILITY (STATUTE MILES)															
	>=10	>=6	>=5	>=4	>=3	>=2	1/2	>=2	>=1	1/2	>=1	1/4	>=1	>=3/4	>=5/8	>=1/2
UNLIMIT	54.2	64.8	68.2	70.1	71.6	72.1	72.5	72.5	72.7	72.8	72.9	72.9	72.9	72.9	72.9	72.9
>=20000	54.7	65.5	68.9	70.7	72.3	72.8	73.2	73.2	73.3	73.4	73.6	73.6	73.6	73.6	73.6	73.6
>=18000	54.7	65.6	69.0	70.8	72.4	72.9	73.3	73.3	73.4	73.6	73.7	73.7	73.7	73.7	73.7	73.7
>=16000	54.8	65.8	69.1	71.0	72.5	73.0	73.4	73.4	73.6	73.7	73.8	73.8	73.8	73.8	73.8	73.8
>=14000	54.9	65.9	69.3	71.1	72.7	73.2	73.6	73.6	73.7	73.8	74.0	74.0	74.0	74.0	74.0	74.0
>=12000	54.9	66.3	69.7	71.5	73.0	73.6	74.0	74.0	74.1	74.2	74.3	74.3	74.3	74.3	74.3	74.3
>=10000	55.2	67.1	70.4	72.3	74.0	74.5	74.9	74.9	75.0	75.1	75.3	75.3	75.3	75.3	75.3	75.3
>=9000	55.6	67.4	71.0	72.8	74.5	75.0	75.4	75.4	75.5	75.7	75.8	75.8	75.8	75.8	75.8	75.8
>=8000	56.9	69.1	72.9	74.9	76.6	77.1	77.5	77.5	77.6	77.7	77.9	77.9	77.9	77.9	77.9	77.9
>=7000	57.7	70.3	74.2	76.2	77.9	78.4	78.8	78.8	78.9	79.0	79.2	79.2	79.2	79.2	79.2	79.2
>=6000	59.1	72.5	76.4	78.4	80.2	80.7	81.3	81.3	81.4	81.5	81.6	81.6	81.6	81.6	81.6	81.6
>=5000	62.4	77.1	81.1	84.0	86.1	86.7	87.4	87.4	87.5	87.6	87.8	87.8	87.8	87.8	87.8	87.8
>=4500	62.8	78.5	82.7	85.7	87.8	88.4	89.1	89.2	89.3	89.5	89.6	89.6	89.6	89.6	89.6	89.6
>=4000	63.5	80.2	84.6	87.6	89.8	90.5	91.1	91.3	91.4	91.5	91.7	91.7	91.7	91.7	91.7	91.7
>=3500	64.1	81.0	85.4	88.4	90.6	91.3	91.9	92.1	92.2	92.3	92.4	92.4	92.4	92.4	92.4	92.4
>=3000	64.7	82.0	86.7	89.8	92.1	92.7	93.4	93.5	93.6	93.8	93.9	93.9	93.9	93.9	93.9	93.9
>=2500	65.2	83.1	88.0	91.3	93.8	94.5	95.2	95.3	95.4	95.6	95.7	95.7	95.7	95.7	95.7	95.7
>=2000	65.4	83.2	88.2	91.5	94.1	95.1	96.0	96.1	96.2	96.4	96.5	96.5	96.5	96.5	96.5	96.5
>=1800	65.4	83.3	88.3	91.7	94.3	95.2	96.1	96.2	96.4	96.5	96.6	96.6	96.6	96.6	96.6	96.6
>=1500	65.4	83.7	88.7	92.2	94.9	96.0	96.9	97.0	97.1	97.3	97.4	97.4	97.4	97.4	97.4	97.4
>=1200	65.4	84.0	89.1	92.6	95.4	96.5	97.4	97.7	97.8	98.0	98.2	98.2	98.2	98.2	98.2	98.2
>=1000	65.4	84.0	89.1	92.6	95.4	96.7	97.7	97.9	98.0	98.4	98.6	98.6	98.6	98.6	98.6	98.6
>=900	65.4	84.0	89.1	92.6	95.4	96.7	97.7	97.9	98.0	98.4	98.6	98.6	98.6	98.6	98.6	98.6
>=800	65.4	84.0	89.1	92.6	95.4	96.7	97.8	98.0	98.2	98.6	98.8	98.8	98.8	98.8	98.8	98.8
>=700	65.4	84.0	89.1	92.6	95.4	96.7	97.8	98.2	98.3	98.7	99.1	99.1	99.1	99.1	99.1	99.1
>=600	65.4	84.0	89.1	92.6	95.6	97.0	98.0	98.4	98.6	99.0	99.3	99.3	99.3	99.3	99.3	99.3
>=500	65.4	84.1	89.2	92.7	95.7	97.1	98.3	98.7	98.8	99.2	99.6	99.6	99.6	99.6	99.6	99.6
>=400	65.4	84.1	89.2	92.7	95.7	97.1	98.3	98.7	98.8	99.2	99.6	99.6	99.6	99.6	99.6	99.6
>=300	65.4	84.1	89.2	92.7	95.7	97.1	98.3	98.7	98.8	99.2	99.6	99.6	99.6	99.6	99.6	99.6
>=200	65.4	84.1	89.2	92.7	95.7	97.1	98.3	98.7	98.8	99.2	99.6	99.6	99.6	99.6	99.6	99.6
>=100	65.4	84.1	89.2	92.7	95.7	97.1	98.3	98.7	98.8	99.2	99.6	99.6	99.6	99.6	99.6	99.6
>=0	65.4	84.1	89.2	92.7	95.7	97.1	98.3	98.7	98.8	99.2	99.6	99.6	99.6	99.6	99.6	99.6

TOTAL NO. OF OBS : 768

## 2 - CEILING VS VISIBILITY

043319 : ATSUGI, JAPAN  
 PERIOD OF RECORD : 1951-1987  
 CLASS : ALL WEATHER  
 CONDITION : NONE SPECIFIED

LAT. : 35 27N LONG. : 139 27E ELEV. : 214 FT  
 MONTH : JAN  
 HOUR : 0600 LST

PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)

CEILING	VISIBILITY (STATUTE MILES)																	
	>=10	>=6	>=5	>=4	>=3	>=2	1/2	>=1	1/2	>=1	1/4	>=1	>=3/4	>=5/8	>=1/2	>=5/16	>=1/4	>=0
UNLIMIT	60.0	70.7	73.1	73.9	75.2	75.4	75.4	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6
>=20000	60.2	71.2	73.5	74.4	75.7	75.9	75.9	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0
>=18000	60.2	71.3	73.7	74.5	75.8	76.0	76.0	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2
>=16000	60.2	71.3	73.7	74.5	75.8	76.0	76.3	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2
>=14000	60.3	71.5	73.9	74.7	76.0	76.3	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4
>=12000	60.7	72.0	74.4	75.2	76.5	76.8	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9
>=10000	61.9	73.3	75.7	76.6	77.9	78.2	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3
>= 9000	62.2	73.8	76.3	77.2	78.5	78.8	78.8	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9
>= 8000	63.6	75.7	78.3	79.3	80.6	80.8	80.8	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9
>= 7000	64.2	76.4	79.0	80.0	81.3	81.5	81.5	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6
>= 6000	65.4	77.8	80.7	81.8	83.2	83.4	83.4	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6
>= 5000	67.3	80.1	83.1	84.1	85.9	86.2	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3
>= 4500	68.8	81.9	85.0	86.2	88.0	88.2	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3
>= 4000	69.8	84.4	87.8	89.0	90.9	91.2	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3
>= 3500	70.3	85.5	89.3	90.6	92.5	92.7	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8
>= 3000	70.7	86.3	90.3	91.7	93.7	93.9	94.0	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2
>= 2500	70.9	86.9	91.2	92.8	95.2	95.5	95.7	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8
>= 2000	71.2	87.7	92.1	93.9	96.5	96.9	97.3	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
>= 1800	71.2	87.8	92.3	94.0	96.8	97.3	97.6	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9
>= 1500	71.2	88.1	92.5	94.3	97.0	97.5	98.1	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
>= 1200	71.2	88.2	92.7	94.5	97.5	98.1	98.7	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
>= 1000	71.2	88.3	92.8	94.8	97.7	98.3	98.9	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
>= 900	71.2	88.3	92.8	94.8	97.7	98.3	98.9	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
>= 800	71.2	88.3	92.8	94.8	97.7	98.3	98.9	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
>= 700	71.2	88.3	92.8	94.8	97.9	98.5	99.0	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
>= 600	71.2	88.3	92.8	94.8	97.9	98.5	99.0	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
>= 500	71.2	88.3	92.8	94.8	98.1	98.7	99.3	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
>= 400	71.2	88.3	92.8	94.8	98.1	98.7	99.3	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
>= 300	71.2	88.3	92.8	94.8	98.1	98.7	99.3	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
>= 200	71.2	88.3	92.8	94.8	98.1	98.7	99.3	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
>= 100	71.2	88.3	92.8	94.8	98.1	98.7	99.3	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
>= 0	71.2	88.3	92.8	94.8	98.1	98.7	99.3	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	100.0

TOTAL NO. OF OPS : 839

043319 : ATSUGI, JAPAN  
PERIOD OF RECORD : 1951-1987  
CLASS : ALL WEATHER  
CONDITION : NONE SPECIFIED

LAT. : 35 27N LONG. : 139 27E ELEV. : 214 FT  
MONTH : JAN  
HOUR : 0900 LST

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

CEILING	VISIBILITY (STATUTE MILES)															
	>=10	>=6	>=5	>=4	>=3	>=2	1/2	>=1	1/4	>=1	>=3/4	>=5/8	>=1/2	>=5/16	>=1/4	>=0
UNLIMIT	37.7	50.7	57.6	63.5	70.5	72.7	74.1	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8
>=20000	37.9	51.1	57.9	64.1	71.2	73.5	74.8	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5
>=18000	37.9	51.1	57.9	64.1	71.2	73.5	74.8	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5
>=16000	37.9	51.1	58.1	64.2	71.3	73.6	74.9	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6
>=14000	38.0	51.3	58.4	64.6	71.8	74.2	75.5	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3
>=12000	38.2	51.5	58.6	65.0	72.5	74.9	76.2	77.0	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1
>=10000	38.2	51.9	59.4	66.0	73.6	75.9	77.3	78.1	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2
>= 9000	38.4	52.1	59.6	66.5	74.1	76.4	77.7	78.6	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7
>= 8000	38.4	52.7	60.3	67.3	75.0	77.5	78.8	79.6	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7
>= 7000	38.6	53.2	60.8	67.9	75.6	78.1	79.5	80.3	80.5	80.6	80.6	80.6	80.6	80.6	80.6	80.6
>= 6000	38.6	53.9	61.5	68.7	76.7	79.3	80.7	81.5	81.6	81.8	81.8	81.8	81.8	81.8	81.8	81.8
>= 5000	40.5	57.2	65.2	72.5	80.9	83.5	85.0	85.9	86.0	86.1	86.1	86.1	86.1	86.1	86.1	86.1
>= 4500	41.4	60.0	68.2	75.7	84.4	87.1	88.5	89.5	89.6	89.7	89.7	89.7	89.7	89.7	89.7	89.7
>= 4000	41.8	61.3	69.8	77.5	86.1	89.1	90.5	91.5	91.6	91.7	91.7	91.7	91.7	91.7	91.7	91.7
>= 3500	42.5	62.4	71.0	78.7	87.4	90.5	91.9	92.9	93.0	93.1	93.1	93.1	93.1	93.1	93.1	93.1
>= 3000	42.8	63.0	71.8	79.7	88.7	92.2	93.6	94.7	94.8	94.9	94.9	94.9	94.9	94.9	94.9	94.9
>= 2500	42.9	63.4	72.4	80.3	89.5	93.1	94.5	95.6	95.7	96.0	96.0	96.0	96.0	96.0	96.0	96.0
>= 2000	42.9	64.0	73.3	81.4	90.8	94.7	96.1	97.2	97.3	97.5	97.5	97.5	97.5	97.5	97.5	97.5
>= 1800	42.9	64.1	73.5	81.5	90.9	95.0	96.7	97.9	98.0	98.2	98.2	98.2	98.2	98.2	98.2	98.2
>= 1500	42.9	64.1	73.5	81.6	91.0	95.4	97.2	98.3	98.5	98.7	98.7	98.7	98.7	98.7	98.7	98.7
>= 1200	42.9	64.1	73.5	81.6	91.0	95.5	97.3	98.5	98.6	98.8	98.8	98.8	98.8	98.8	98.8	98.8
>= 1000	42.9	64.1	73.5	81.6	91.0	95.5	97.3	98.6	98.7	99.1	99.1	99.1	99.1	99.1	99.1	99.1
>= 900	42.9	64.1	73.5	81.6	91.0	95.6	97.4	98.7	98.8	99.2	99.2	99.2	99.2	99.2	99.2	99.2
>= 800	42.9	64.1	73.5	81.6	91.0	95.7	97.6	98.9	99.1	99.4	99.4	99.4	99.4	99.4	99.4	99.4
>= 700	42.9	64.1	73.5	81.8	91.1	95.9	97.9	99.2	99.3	99.6	99.6	99.6	99.6	99.6	99.6	99.6
>= 600	42.9	64.1	73.5	81.8	91.1	95.9	98.0	99.3	99.4	99.8	99.8	99.8	99.8	99.8	99.8	99.8
>= 500	42.9	64.1	73.5	81.8	91.1	95.9	98.0	99.4	99.5	99.9	99.9	99.9	99.9	99.9	99.9	99.9
>= 400	42.9	64.1	73.5	81.8	91.1	95.9	98.0	99.4	99.5	99.9	99.9	99.9	99.9	99.9	99.9	99.9
>= 300	42.9	64.1	73.5	81.8	91.1	95.9	98.0	99.4	99.5	99.9	99.9	99.9	99.9	99.9	99.9	99.9
>= 200	42.9	64.1	73.5	81.8	91.1	95.9	98.0	99.4	99.5	99.9	99.9	99.9	99.9	99.9	99.9	99.9
>= 100	42.9	64.1	73.5	81.8	91.1	95.9	98.0	99.4	99.5	99.9	99.9	99.9	99.9	99.9	99.9	99.9
>= 0	42.9	64.1	73.5	81.8	91.1	95.9	98.0	99.4	99.5	99.9	99.9	99.9	99.9	99.9	99.9	99.9

TOTAL NO. OF OBS : 844

## 2 - CEILING VS VISIBILITY

043319 : AITSUGI, JAPAN  
 PERIOD OF RECORD : 1951-1987  
 CLASS : ALL WEATHER  
 CONDITION : NONE SPECIFIED

LAT. : 35 27N LONG. : 139 27E ELEV. : 214 FT  
 MONTH : JAN  
 HOUR : 1200 LST

PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)

CEILING	VISIBILITY (STATUTE MILES)																	
	>=10	>=6	>=5	>=4	>=3	>=2	1/2	>=1	1/2	>=1	1/4	>=1	>=3/4	>=5/8	>=1/2	>=5/16	>=1/4	>=0
UNLIMIT	50.9	67.5	72.2	73.9	75.3	75.7	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8
>=20000	51.9	68.8	73.6	75.5	76.9	77.3	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4
>=18000	52.1	69.0	73.8	75.8	77.2	77.5	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6
>=16000	52.1	69.1	74.1	76.0	77.4	77.7	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8
>=14000	52.1	69.6	74.6	76.6	78.0	78.3	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4
>=12000	52.5	70.6	75.7	77.6	79.0	79.3	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4
>=10000	52.9	71.3	76.5	78.8	80.3	80.6	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7
>= 9000	52.9	71.4	76.7	79.0	80.5	80.8	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9
>= 8000	53.3	72.4	78.0	80.4	82.0	82.4	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7
>= 7000	53.6	73.5	79.0	81.4	83.0	83.5	83.7	83.7	83.7	83.7	83.7	83.7	83.8	83.8	83.8	83.8	83.8	83.8
>= 6000	53.8	74.2	79.8	82.3	83.9	84.5	84.7	84.7	84.7	84.7	84.7	84.7	84.8	84.8	84.8	84.8	84.8	84.8
>= 5000	55.1	76.7	82.7	85.6	87.4	88.3	88.5	88.6	88.6	88.6	88.6	88.6	88.7	88.7	88.7	88.7	88.7	88.7
>= 4500	55.9	77.7	83.7	86.7	88.5	89.6	89.8	89.9	89.9	89.9	89.9	89.9	90.0	90.0	90.0	90.0	90.0	90.0
>= 4000	56.8	79.3	85.8	88.9	90.9	92.2	92.7	92.8	92.8	92.8	92.8	92.8	93.0	93.0	93.0	93.0	93.0	93.0
>= 3500	56.8	79.6	86.0	89.1	91.3	92.5	93.1	93.2	93.2	93.2	93.2	93.2	93.5	93.5	93.5	93.5	93.5	93.5
>= 3000	57.2	80.1	86.7	89.9	92.2	93.6	94.3	94.5	94.5	94.5	94.5	94.5	94.7	94.7	94.7	94.7	94.7	94.7
>= 2500	57.2	80.3	87.0	90.4	92.8	94.4	95.1	95.3	95.3	95.3	95.3	95.3	95.5	95.5	95.5	95.5	95.5	95.5
>= 2000	57.3	80.5	87.3	90.6	93.2	95.4	96.3	96.7	96.7	96.7	96.7	96.7	96.9	96.9	96.9	96.9	96.9	96.9
>= 1800	57.3	80.5	87.3	90.7	93.3	95.6	96.6	96.9	96.9	96.9	96.9	96.9	97.1	97.1	97.1	97.1	97.1	97.1
>= 1500	57.3	80.5	87.4	90.9	93.8	96.4	97.5	97.8	97.8	97.8	97.8	97.8	98.2	98.2	98.2	98.2	98.2	98.2
>= 1200	57.3	80.5	87.5	91.0	94.0	96.7	97.8	98.2	98.2	98.2	98.2	98.2	98.5	98.5	98.5	98.5	98.5	98.5
>= 1000	57.3	80.5	87.5	91.2	94.1	96.8	97.9	98.3	98.4	98.4	98.4	98.4	98.7	98.7	98.7	98.7	98.7	98.7
>= 900	57.3	80.5	87.5	91.2	94.1	96.8	98.0	98.4	98.5	98.5	98.5	98.5	98.9	98.9	98.9	98.9	98.9	98.9
>= 800	57.3	80.5	87.5	91.2	94.3	96.9	98.2	98.5	98.6	98.6	98.6	98.6	99.0	99.0	99.0	99.0	99.0	99.0
>= 700	57.3	80.5	87.5	91.2	94.3	97.1	98.4	98.7	98.9	98.9	98.9	98.9	99.2	99.2	99.2	99.2	99.2	99.2
>= 600	57.3	80.5	87.5	91.2	94.4	97.2	98.5	98.9	99.0	99.0	99.0	99.0	99.3	99.3	99.3	99.3	99.3	99.3
>= 500	57.3	80.5	87.5	91.2	94.4	97.2	98.7	99.2	99.3	99.3	99.3	99.3	99.7	99.7	99.7	99.7	99.7	99.7
>= 400	57.3	80.5	87.5	91.2	94.4	97.2	98.7	99.2	99.3	99.3	99.3	99.3	99.7	99.7	99.7	99.7	99.7	99.7
>= 300	57.3	80.5	87.5	91.2	94.4	97.2	98.7	99.2	99.3	99.3	99.3	99.3	99.7	99.7	99.7	99.7	99.7	99.7
>= 200	57.3	80.5	87.5	91.2	94.4	97.2	98.7	99.3	99.4	99.4	99.4	99.4	99.8	99.8	99.8	99.8	99.8	99.8
>= 100	57.3	80.5	87.5	91.2	94.4	97.2	98.7	99.3	99.4	99.4	99.4	99.4	99.9	99.9	99.9	99.9	99.9	99.9
>= 0	57.3	80.5	87.5	91.3	94.5	97.4	98.9	99.4	99.5	99.5	99.5	99.5	99.9	99.9	99.9	99.9	99.9	99.9

TOTAL NO. OF OBS : 871

## 2 - CEILING VS VISIBILITY

043319 : AITSUGI, JAPAN  
 PERIOD OF RECORD : 1951-1987  
 CLASS : ALL WEATHER  
 CONDITION : NONE SPECIFIED

LAT. : 35 27N LONG. : 139 27E ELEV. : 214 FT  
 MONTH : JAN  
 HOUR : 1500 LST

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

CEILING	VISIBILITY (STATUTE MILES)										
	>=10	>=6	>=5	>=4	>=3	>=2	1/2	>=1	1/2	>=1	>=0
UNLIMIT	50.4	65.2	67.1	68.4	70.0	70.8	71.2	71.5	71.5	71.8	71.8
>=20000	50.7	65.9	67.9	69.2	70.8	71.7	72.0	72.4	72.4	72.6	71.8
>=18000	51.2	66.4	68.5	69.8	71.4	72.2	72.6	73.0	73.0	73.2	72.6
>=16000	51.3	66.7	69.0	70.6	72.2	73.1	73.4	73.8	73.8	74.0	73.2
>=14000	51.5	67.0	69.3	71.1	72.7	73.8	74.1	74.6	74.6	74.8	74.0
>=12000	52.0	68.3	70.7	72.7	74.6	75.8	76.1	76.6	76.8	77.0	74.8
>=10000	52.2	68.6	71.1	73.2	75.1	76.2	76.6	77.3	77.3	77.5	77.0
>=9000	52.6	69.7	72.4	74.5	76.5	77.8	78.1	78.8	78.8	79.0	77.5
>=8000	52.7	70.3	73.0	75.1	77.2	78.7	79.0	79.7	79.7	79.0	79.0
>=7000	53.3	71.3	74.2	76.5	78.7	80.2	80.6	81.3	81.3	81.5	80.0
>=6000	54.2	73.7	77.2	80.0	82.4	84.5	84.9	85.6	85.6	85.8	81.5
>=5000	55.4	75.4	79.2	82.1	84.8	87.0	87.4	88.1	88.1	88.3	85.8
>=4500	56.4	77.6	81.7	84.8	87.5	89.8	90.3	91.2	91.2	91.5	88.3
>=4000	56.4	78.3	82.4	85.6	88.4	91.0	91.5	92.4	92.4	92.6	91.5
>=3500	56.6	78.8	82.9	86.2	89.1	91.8	92.5	93.4	93.4	93.7	92.6
>=3000	56.8	79.4	83.6	87.0	90.3	93.0	93.7	94.7	94.7	95.0	93.7
>=2500	56.9	79.6	84.0	87.6	91.2	93.9	95.1	96.3	96.3	96.6	95.0
>=2000	56.9	79.6	84.0	87.6	91.2	93.9	95.2	96.4	96.4	96.6	96.6
>=1800	57.0	79.7	84.3	87.9	91.8	94.7	96.1	97.3	97.3	97.7	96.7
>=1500	57.0	79.7	84.3	87.9	91.8	95.0	96.4	97.5	97.5	97.7	97.7
>=1200	57.0	79.7	84.3	87.9	91.8	95.1	96.5	97.8	97.8	98.0	98.0
>=1000	57.0	79.7	84.3	87.9	91.9	95.1	96.5	97.8	97.8	98.2	98.2
>=900	57.0	79.7	84.3	87.9	91.9	95.1	96.5	97.9	97.9	98.4	98.4
>=800	57.1	79.9	84.4	88.1	92.0	95.3	96.8	98.2	98.2	98.8	98.8
>=700	57.1	79.9	84.4	88.1	92.0	95.3	97.1	98.5	98.5	99.1	99.1
>=600	57.1	79.9	84.4	88.1	92.2	95.7	97.4	98.8	98.8	99.4	99.5
>=500	57.1	79.9	84.4	88.1	92.2	95.7	97.5	98.9	98.9	99.5	99.5
>=400	57.1	79.9	84.4	88.1	92.2	95.7	97.5	98.9	98.9	99.6	99.6
>=300	57.1	79.9	84.4	88.1	92.2	95.7	97.5	98.9	98.9	100.0	99.6
>=200	57.1	79.9	84.4	88.1	92.2	95.7	97.5	98.9	98.9	100.0	100.0
>=100	57.1	79.9	84.4	88.1	92.2	95.7	97.5	98.9	98.9	100.0	100.0
>=0	57.1	79.9	84.4	88.1	92.2	95.7	97.5	98.9	98.9	100.0	100.0

TOTAL NO. OF OBS : 854

043319 : ATSUGI, JAPAN  
PERIOD OF RECORD : 1951-1987  
CLASS : ALL WEATHER  
CONDITION : NONE SPECIFIED

LAT. : 35 27N LONG. : 139 27E ELEV. : 214 FT  
MONTH : JAN  
HOUR : 1800 LST

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

CEILING	VISIBILITY (STATUTE MILES)															
	>=10	>=6	>=5	>=4	>=3	>=2 1/2	>=2 1/2	>=2 1/2	>=1 1/2	>=1 1/4	>=1	>=3/4	>=5/8	>=1/2	>=5/16	>=1/4
UNLIMIT	45.2	55.5	60.8	63.7	68.6	71.2	72.3	73.1	73.1	73.1	73.1	73.3	73.3	73.3	73.3	73.3
>=20000	45.4	55.8	61.2	64.2	69.3	72.0	73.1	73.9	73.9	73.9	73.9	74.1	74.1	74.1	74.1	74.1
>=18000	45.4	55.8	61.2	64.2	69.3	72.0	73.1	73.9	73.9	73.9	73.9	74.1	74.1	74.1	74.1	74.1
>=16000	45.4	55.9	61.3	64.3	69.4	72.3	73.3	74.1	74.1	74.1	74.1	74.4	74.4	74.4	74.4	74.4
>=14000	45.6	56.3	61.9	64.9	70.2	73.0	74.0	74.9	74.9	74.9	74.9	75.1	75.1	75.1	75.1	75.1
>=12000	46.2	56.9	62.6	65.7	71.0	74.3	75.6	76.4	76.4	76.4	76.4	76.6	76.6	76.6	76.6	76.6
>=10000	46.4	57.2	63.2	66.5	71.9	75.6	76.9	77.8	77.8	77.8	77.8	78.0	78.0	78.0	78.0	78.0
>=9000	46.5	57.5	63.6	67.0	72.5	76.3	77.6	78.5	78.5	78.5	78.5	78.7	78.7	78.7	78.7	78.7
>=8000	47.0	57.9	64.4	67.8	73.7	77.6	78.8	79.8	79.8	79.8	79.8	80.0	80.0	80.0	80.0	80.0
>=7000	47.1	58.3	65.0	68.4	74.4	78.4	79.7	80.6	80.6	80.6	80.6	80.8	80.8	80.8	80.8	80.8
>=6000	47.5	58.9	65.7	69.3	75.6	79.8	81.1	82.0	82.0	82.0	82.0	82.3	82.3	82.3	82.3	82.3
>=5000	48.8	61.1	68.2	72.3	79.0	83.5	85.1	86.3	86.4	86.4	86.4	86.6	86.6	86.6	86.6	86.6
>=4500	49.2	62.3	69.6	73.7	81.0	85.7	87.5	88.7	88.8	88.8	88.8	89.1	89.1	89.1	89.1	89.1
>=4000	50.1	63.9	71.3	75.7	83.2	87.9	90.0	91.2	91.3	91.3	91.3	91.5	91.5	91.5	91.5	91.5
>=3500	50.4	64.5	71.9	76.3	83.8	88.6	90.8	92.1	92.2	92.2	92.2	92.6	92.6	92.6	92.6	92.6
>=3000	50.4	64.9	72.3	77.1	84.8	89.7	92.0	93.3	93.4	93.4	93.4	93.9	93.9	93.9	93.9	93.9
>=2500	50.4	65.1	72.5	77.3	85.1	90.2	92.7	94.1	94.2	94.2	94.2	94.7	94.7	94.7	94.7	94.7
>=2000	50.4	65.3	73.1	78.3	86.3	91.5	94.1	95.5	95.7	95.7	95.7	96.1	96.1	96.1	96.1	96.1
>=1800	50.4	65.3	73.1	78.4	86.5	92.0	94.7	96.2	96.4	96.4	96.4	96.8	96.8	96.8	96.8	96.8
>=1500	50.4	65.3	73.2	78.5	86.8	92.6	95.3	96.8	96.9	96.9	96.9	97.4	97.4	97.4	97.4	97.4
>=1200	50.4	65.6	73.4	78.7	87.2	92.9	95.7	97.2	97.3	97.3	97.3	97.9	97.9	97.9	97.9	97.9
>=1000	50.4	65.6	73.4	78.7	87.3	93.1	95.9	97.4	97.5	97.5	97.5	98.2	98.2	98.2	98.2	98.2
>=900	50.4	65.6	73.4	78.7	87.3	93.1	95.9	97.4	97.5	97.5	97.5	98.2	98.2	98.2	98.2	98.2
>=800	50.4	65.8	73.7	79.0	87.7	93.4	96.5	98.0	98.1	98.1	98.1	98.9	98.9	98.9	98.9	98.9
>=700	50.4	65.8	73.7	79.0	87.7	93.5	96.6	98.1	98.2	98.2	98.2	99.1	99.1	99.1	99.1	99.1
>=600	50.4	65.9	73.8	79.1	87.9	93.8	96.8	98.4	98.5	98.5	98.5	99.4	99.4	99.4	99.4	99.4
>=500	50.4	65.9	73.8	79.1	87.9	93.8	96.9	98.5	98.6	98.6	98.6	99.5	99.5	99.5	99.5	99.5
>=400	50.4	65.9	73.8	79.1	87.9	93.8	96.9	98.5	98.6	98.6	98.6	99.5	99.5	99.5	99.5	99.5
>=300	50.4	65.9	73.8	79.1	87.9	93.8	96.9	98.5	98.6	98.6	98.6	99.6	99.6	99.6	99.6	99.6
>=200	50.4	65.9	73.8	79.1	87.9	93.8	96.9	98.5	98.6	98.6	98.6	99.8	99.8	99.8	99.8	99.8
>=100	50.4	65.9	73.8	79.1	87.9	93.8	96.9	98.5	98.6	98.6	98.6	99.8	99.8	99.8	99.8	99.8
>=0	50.4	65.9	73.8	79.1	87.9	93.8	96.9	98.5	98.6	98.6	98.6	99.8	99.8	99.8	99.8	99.8

TOTAL NO. OF OBS : 851

## 2 - CEILING VS VISIBILITY

043319 : ATSUGI, JAPAN  
 PERIOD OF RECORD : 1951-1987  
 CLASS : ALL WEATHER  
 CONDITION : NONE SPECIFIED

LAT. : 35 27N LONG. : 139 27E ELEV. : 214 FT  
 MONTH : JAN  
 HOUR : 2100 LST

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

CEILING	VISIBILITY (STATUTE MILES)									
	>=10	>=6	>=5	>=4	>=3	>=2	1/2	>=1	1/4	>=1/4
UNLIMIT	46.4	59.4	65.3	69.0	73.2	75.1	76.3	76.7	76.7	77.0
>=20000	46.5	59.6	65.4	69.1	73.4	75.4	76.6	76.9	76.9	77.3
>=18000	46.7	59.8	65.7	69.4	73.7	75.6	76.9	77.3	77.3	77.6
>=16000	46.8	59.9	65.8	69.5	73.9	75.8	77.2	77.5	77.5	77.9
>=14000	46.8	60.0	65.9	69.6	74.0	76.0	77.3	77.6	77.6	78.0
>=12000	47.0	60.5	66.4	70.3	74.9	76.8	78.2	78.6	78.6	78.9
>=10000	47.5	61.6	67.6	71.7	76.2	78.2	79.8	80.1	80.1	80.5
>=9000	47.7	62.0	68.1	72.1	76.7	78.7	80.3	80.6	80.6	81.0
>=8000	48.3	62.9	69.1	73.8	78.6	81.1	82.7	83.0	83.0	83.4
>=7000	48.6	63.2	69.4	74.0	78.9	81.5	83.1	83.5	83.5	83.9
>=6000	48.7	63.4	69.7	74.4	79.5	82.2	83.9	84.2	84.2	84.6
>=5000	50.2	65.6	72.1	77.3	82.9	85.5	87.2	87.6	87.6	87.9
>=4500	50.8	66.7	73.7	78.9	84.7	87.3	89.0	89.4	89.4	89.7
>=4000	51.2	67.6	74.6	80.0	86.0	88.6	90.3	90.7	90.7	91.0
>=3500	51.6	68.2	75.5	80.9	87.0	89.7	91.4	91.7	91.7	92.1
>=3000	51.7	68.4	75.8	81.5	87.9	90.8	92.6	92.9	92.9	93.3
>=2500	51.8	69.0	76.4	82.3	89.0	92.0	93.8	94.3	94.3	94.7
>=2000	51.8	69.4	77.0	83.0	89.7	92.7	94.6	95.5	95.5	96.1
>=1800	51.8	69.5	77.4	83.1	89.8	92.8	94.9	95.7	95.7	96.3
>=1500	51.8	69.5	77.4	83.6	90.6	93.7	95.8	96.7	96.7	97.2
>=1200	51.8	69.5	77.4	83.9	90.9	94.0	96.4	97.4	97.4	98.0
>=1000	51.8	69.5	77.5	84.1	91.1	94.4	97.1	98.1	98.1	98.7
>=900	51.8	69.5	77.5	84.1	91.3	94.5	97.4	98.3	98.3	98.9
>=800	51.8	69.5	77.5	84.1	91.3	94.5	97.4	98.3	98.3	98.9
>=700	51.8	69.6	77.6	84.2	91.4	94.7	97.6	98.6	98.6	99.3
>=600	51.8	69.6	77.6	84.2	91.4	94.7	97.6	98.6	98.6	99.4
>=500	51.8	69.6	77.6	84.2	91.5	94.9	97.8	98.9	98.9	99.6
>=400	51.8	69.6	77.6	84.2	91.5	94.9	98.0	99.2	99.2	99.9
>=300	51.8	69.6	77.6	84.2	91.5	94.9	98.0	99.2	99.2	100.0
>=200	51.8	69.6	77.6	84.2	91.5	94.9	98.0	99.2	99.2	100.0
>=100	51.8	69.6	77.6	84.2	91.5	94.9	98.0	99.2	99.2	100.0
>=0	51.8	69.6	77.6	84.2	91.5	94.9	98.0	99.2	99.2	100.0

TOTAL NO. OF OBS : 836

## 2 - CEILING VS VISIBILITY

043319 : ATSUGI, JAPAN  
 PERIOD OF RECORD : 1951-1987  
 CLASS : ALL WEATHER  
 CONDITION : NONE SPECIFIED

LAT. : 35 27N LONG. : 139 27E ELEV. : 214 FT  
 MONTH : JAN  
 HOUR : ALL

PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)

CEILING	VISIBILITY (STATUTE MILES)															
	>=10	>=6	>=5	>=4	>=3	>=2	1/2	>=2	1/2	>=1	1/2	>=1	1/4	>=1	>=3/4	>=5/8
	>=1/2	>=5/16	>=1/2	>=5/16	>=1/2	>=5/16	>=1/2	>=5/16	>=1/2	>=5/16	>=1/2	>=5/16	>=1/2	>=5/16	>=1/2	>=5/16
UNLIMIT	49.1	62.1	66.5	69.1	72.2	73.3	74.0	74.3	74.3	74.4	74.5	74.5	74.5	74.5	74.5	74.5
>=20000	49.5	62.6	67.0	69.7	72.9	74.1	74.7	75.0	75.1	75.1	75.2	75.2	75.2	75.2	75.2	75.2
>=18000	49.6	62.7	67.2	69.9	73.1	74.2	74.9	75.2	75.2	75.3	75.4	75.4	75.4	75.4	75.4	75.4
>=16000	49.6	62.8	67.3	70.0	73.2	74.4	75.0	75.3	75.4	75.5	75.5	75.5	75.5	75.5	75.5	75.5
>=14000	49.7	63.1	67.7	70.4	73.6	74.8	75.4	75.8	75.9	76.0	76.0	76.0	76.0	76.0	76.0	76.0
>=12000	50.0	63.6	68.2	71.0	74.3	75.5	76.2	76.6	76.7	76.8	76.8	76.8	76.8	76.8	76.8	76.8
>=10000	50.5	64.5	69.2	72.2	75.6	77.0	77.7	78.1	78.2	78.3	78.3	78.3	78.3	78.3	78.3	78.3
>= 9000	50.7	64.8	69.6	72.7	76.1	77.4	78.1	78.6	78.7	78.8	78.8	78.8	78.8	78.8	78.8	78.8
>= 8000	51.3	65.9	70.9	74.1	77.6	79.1	79.8	80.3	80.4	80.5	80.5	80.5	80.5	80.5	80.5	80.5
>= 7000	51.7	66.5	71.6	74.9	78.4	79.9	80.7	81.1	81.2	81.3	81.3	81.3	81.3	81.3	81.3	81.3
>= 6000	52.3	67.6	72.8	76.2	79.8	81.5	82.2	82.7	82.7	82.8	82.9	82.9	82.9	82.9	82.9	82.9
>= 5000	54.0	70.4	75.9	79.7	83.6	85.4	86.3	86.8	86.9	87.0	87.0	87.0	87.0	87.0	87.0	87.0
>= 4500	54.8	71.9	77.7	81.5	85.7	87.6	88.5	89.0	89.1	89.2	89.2	89.2	89.2	89.2	89.2	89.2
>= 4000	55.6	73.6	79.6	83.6	87.9	89.8	90.8	91.4	91.5	91.6	91.6	91.6	91.6	91.6	91.6	91.6
>= 3500	56.0	74.3	80.4	84.4	88.8	90.8	91.8	92.4	92.4	92.5	92.6	92.6	92.6	92.6	92.6	92.6
>= 3000	56.2	74.9	81.1	85.3	89.8	92.0	93.1	93.7	93.7	93.9	94.0	94.0	94.0	94.0	94.0	94.0
>= 2500	56.3	75.4	81.8	86.1	90.8	93.2	94.3	95.0	95.0	95.1	95.3	95.3	95.3	95.3	95.3	95.3
>= 2000	56.4	75.8	82.3	86.8	91.7	94.2	95.6	96.3	96.3	96.5	96.6	96.6	96.6	96.6	96.6	96.6
>= 1800	56.4	75.8	82.4	87.0	91.9	94.5	95.9	96.7	96.7	96.9	97.0	97.0	97.0	97.0	97.0	97.0
>= 1500	56.5	76.0	82.6	87.3	92.4	95.2	96.7	97.5	97.5	97.7	97.8	97.8	97.8	97.8	97.8	97.8
>= 1200	56.5	76.0	82.8	87.5	92.7	95.5	97.1	98.0	98.0	98.2	98.4	98.4	98.4	98.4	98.4	98.4
>= 1000	56.5	76.1	82.8	87.5	92.8	95.7	97.4	98.2	98.3	98.5	98.7	98.7	98.7	98.7	98.7	98.7
>= 900	56.5	76.1	82.8	87.5	92.8	95.8	97.4	98.3	98.4	98.6	98.8	98.8	98.8	98.8	98.8	98.8
>= 800	56.5	76.1	82.9	87.6	92.9	95.9	97.6	98.5	98.6	98.9	99.1	99.1	99.1	99.1	99.1	99.1
>= 700	56.5	76.1	82.9	87.6	93.0	96.0	97.8	98.7	98.8	99.1	99.3	99.3	99.3	99.3	99.3	99.3
>= 600	56.5	76.1	82.9	87.6	93.0	96.1	97.9	98.9	99.0	99.2	99.4	99.4	99.4	99.4	99.4	99.4
>= 500	56.5	76.2	82.9	87.7	93.1	96.2	98.1	99.1	99.2	99.4	99.6	99.7	99.7	99.7	99.7	99.7
>= 400	56.5	76.2	82.9	87.7	93.1	96.2	98.1	99.1	99.2	99.4	99.7	99.7	99.7	99.7	99.7	99.7
>= 300	56.5	76.2	82.9	87.7	93.1	96.2	98.1	99.1	99.2	99.4	99.7	99.7	99.7	99.7	99.7	99.7
>= 200	56.5	76.2	82.9	87.7	93.1	96.2	98.1	99.1	99.2	99.4	99.7	99.7	99.7	99.7	99.7	99.7
>= 100	56.5	76.2	82.9	87.7	93.1	96.2	98.1	99.1	99.2	99.4	99.7	99.7	99.7	99.7	99.7	99.7
>= 0	56.5	76.2	82.9	87.7	93.1	96.2	98.1	99.1	99.2	99.5	99.8	99.8	99.8	99.8	99.8	99.8

TOTAL NO. OF OBS : 6638



# 1 - SURFACE WINDS

043319 : AITSUGI, JAPAN  
 PERIOD OF RECORD : 1951-1987  
 CLASS : ALL WEATHER  
 CONDITION : NONE SPECIFIED

LAT. : 35 27N LONG. : 139 27E ELEV. : 214 FT  
 MONTH : FEB  
 HOUR : 0000 LST

## PERCENTAGE FREQUENCY OF WIND DIRECTION VS SPEED (FROM HOURLY OBSERVATIONS)

		SPEED (KNOTS)												TOTAL		MEAN													
		1-3			4-6		7-10		11-16		17-21		22-27		28-33		34-40		41-47		48-55		>=56						
DIR.		1		3		4		6		10		16		21		27		33		40		47		55					
N	6.8	16.5		11.1		3.2		.6		.0		.0		.0		.0		.0		.0		.0		.0		38.3		6.3	
NNE	1.9	5.7		5.7		1.4		.0		.0		.0		.0		.0		.0		.0		.0		.0		14.6		6.6	
NE	.5	1.5		.9		.1		.0		.0		.0		.0		.0		.0		.0		.0		.0		3.0		5.5	
ENE	.3	.6		.1		.0		.0		.0		.0		.0		.0		.0		.0		.0		.0		1.0		4.2	
E	.3	.1		.0		.0		.0		.0		.0		.0		.0		.0		.0		.0		.0		.5		3.0	
ESE	.0	.0		.0		.0		.0		.0		.0		.0		.0		.0		.0		.0		.0		.0		.0	
SE	.1	.3		.0		.0		.0		.0		.0		.0		.0		.0		.0		.0		.0		.5		4.3	
SSE	.1	.0		.0		.0		.0		.0		.0		.0		.0		.0		.0		.0		.0		.1		3.0	
S	.1	.0		.5		.2		.3		.0		.0		.0		.0		.0		.0		.0		.0		1.2		11.9	
SSW	.3	.6		.7		.2		.0		.0		.0		.0		.0		.0		.0		.0		.0		1.9		6.6	
SW	.5	.2		.8		.6		.0		.0		.0		.0		.0		.0		.0		.0		.0		2.1		7.9	
WSW	.1	.2		.2		.0		.0		.0		.0		.0		.0		.0		.0		.0		.0		.6		6.0	
W	.5	.5		.1		.0		.0		.0		.0		.0		.0		.0		.0		.0		.0		1.0		4.0	
WNW	.2	.3		.0		.2		.0		.0		.0		.0		.0		.0		.0		.0		.0		.8		6.0	
NW	1.4	2.0		.7		.0		.0		.0		.0		.0		.0		.0		.0		.0		.0		4.1		4.8	
NNW	3.9	8.8		4.1		1.3		.5		.2		.0		.0		.0		.0		.0		.0		.0		18.8		6.3	
VAR	.0	.0		.0		.0		.0		.0		.0		.0		.0		.0		.0		.0		.0		.0		.0	
CLM	.0	.0		.0		.0		.0		.0		.0		.0		.0		.0		.0		.0		.0		11.6		.0	
ALL	17.2	37.4		24.9		7.3		1.4		.2		.0		.0		.0		.0		.0		.0		.0		100.0		5.5	

TOTAL NO. OF OBS : 862

NOTES :  
 \* = PERCENT < .05

# 1 - SURFACE WINDS

043319 : ATSUGI, JAPAN LAT. : 35 27N LONG. : 139 27E ELEV. : 214 FT  
 PERIOD OF RECORD : 1951-1987 MONTH : FEB  
 CLASS : ALL WEATHER HOUR : 0300 LST  
 CONDITION : NONE SPECIFIED

## PERCENTAGE FREQUENCY OF WIND DIRECTION VS SPEED (FROM HOURLY OBSERVATIONS)

16 PT. 1		SPEED (KNOTS)																TOTAL	MEAN	
		1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	>=56	%	SPEED						
DIR.		N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	VAR	CLL	ALL
		7.9	17.9	11.8	2.8	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
		3.3	4.9	3.3	1.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
		1.9	.7	1.1	.0	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
		.6	.6	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
		.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
		.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
		.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
		.1	.0	.0	.0	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
		.0	.1	.4	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
		.4	.0	.6	.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
		.6	.2	.7	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
		.0	.0	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
		.8	.4	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
		.6	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
		1.3	2.7	1.1	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
		3.7	6.1	4.8	1.4	.5	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
		21.6	33.8	24.2	7.2	.8	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0

TOTAL NO. OF OBS : 856

NOTES :  
 \* = PERCENT < .05

# 1 - SURFACE WINDS

043319 : ATSUGI, JAPAN LAT. : 35 27N LONG. : 139 27E FLEV. : 214 FT  
 PERIOD OF RECORD : 1951-1987 MONTH : FEB  
 CLASS : ALL WEATHER HOUR : 0600 LST  
 CONDITION : NONE SPECIFIED

## PERCENTAGE FREQUENCY OF WIND DIRECTION VS SPEED (FROM HOURLY OBSERVATIONS)

16 PT. 1		1	1 - 3	4	6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	>56	TOTAL	%	MEAN	WIND	SPEED
DIR.																			
N	8.8	19.7	11.2	3.7	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	43.6		6.0		
NNE	3.4	5.0	3.5	1.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	13.2		5.7		
NE	1.1	.6	.8	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.7		5.1		
ENE	.2	.3	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.7		6.0		
E	.5	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.7		2.7		
ESE	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1		2.0		
SE	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1		1.0		
SSE	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2		5.0		
S	.2	.4	.4	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.2		7.1		
SSW	.0	.3	.2	.3	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	1.0		11.1		
SW	.3	.2	.3	.6	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0	1.6		9.3		
WSW	.3	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.5		3.6		
W	.3	.5	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.9		4.7		
WNW	.4	.6	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.2		4.4		
NW	2.0	2.0	.7	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	4.8		4.4		
NNW	3.6	5.9	4.5	1.2	.2	.2	.0	.0	.0	.0	.0	.0	.0	.0	15.7		6.3		
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0		
CLM	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	11.7		.0		
ALL	21.5	36.2	22.0	7.7	.5	.3	.1	.0	.0	.0	.0	.0	.0	.0	100.0		5.2		

TOTAL NO. OF OBS : 964

NOTES :  
 \* = PERCENT < .05

1 - SURFACE WINDS

043319 : ATSUGI, JAPAN  
 PERIOD OF RECORD : 1951-1987  
 CLASS : ALL WEATHER  
 CONDITION : NONE SPECIFIED

LAT. : 35 27N LONG. : 139 27E ELEV. : 214 FT  
 MONTH : FEB  
 HOUR : 0900 LST

PERCENTAGE FREQUENCY OF WIND  
 DIRECTION VS SPEED  
 (FROM HOURLY OBSERVATIONS)

SPEED (KNOTS)															TOTAL	MEAN
16 PT.	11 - 31	4 - 61	7-101	11-161	17-211	22-271	28-331	34-401	41-471	48-551	>=561	%	WIND	SPEED		
DIR.	1	1	1	1	1	1	1	1	1	1	1	1	1	1		
N	2.6	10.4	16.2	6.7	.6	.2	.0	.0	.0	.0	.0	36.7	8.1			
NNE	3.8	6.4	6.4	2.5	.2	.0	.0	.0	.0	.0	.0	19.3	6.7			
NE	1.6	3.1	1.0	.1	.0	.0	.0	.0	.0	.0	.0	5.9	4.9			
ENE	1.2	.8	.1	.0	.0	.0	.0	.0	.0	.0	.0	2.1	3.7			
E	.3	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.5	3.0			
ESE	.1	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.3	5.3			
SE	.3	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.5	3.4			
SSE	.1	.2	.0	.0	.0	.1	.0	.0	.0	.0	.0	.4	8.8			
S	.8	.6	.4	.2	.1	.1	.0	.0	.0	.0	.0	2.3	6.6			
SSW	.2	.2	.6	.6	.0	.1	.0	.0	.0	.0	.0	1.8	10.0			
SW	.2	.2	1.3	.6	.2	.0	.0	.0	.0	.0	.0	2.5	9.8			
WSW	.0	.4	.1	.2	.1	.0	.0	.0	.0	.0	.0	.8	9.0			
W	.4	.3	.2	.3	.0	.0	.0	.0	.0	.0	.0	1.3	6.2			
WNW	.3	.3	.0	.1	.1	.0	.0	.0	.0	.0	.0	.8	6.9			
NW	.3	1.6	.9	.2	.0	.0	.0	.0	.0	.0	.0	3.0	6.2			
NNW	1.0	3.9	4.5	1.7	.1	.2	.0	.0	.0	.0	.0	11.4	7.7			
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0			
CLM	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	10.2	.0			
ALL	13.3	29.1	31.9	13.3	1.5	.7	.0	.0	.0	.0	.0	100.0	6.6			

TOTAL NO. OF OBS : 953

NOTES :  
 \* = PERCENT < .05

# 1 - SURFACE WINDS

043319 : ATSUGI, JAPAN  
 PERIOD OF RECORD : 1951-1987  
 CLASS : ALL WEATHER  
 CONDITION : NONE SPECIFIED

LAT. : 35 27N LONG. : 139 27E ELEV. : 214 FT  
 MONTH : FEB  
 HOUR : 1200 LST

## PERCENTAGE FREQUENCY OF WIND DIRECTION VS SPEED (FROM HOURLY OBSERVATIONS)

16 PT.		SPEED (KNOTS)																TOTAL	MEAN
1	1	3	4	6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	>=56	%		WIND			
DIR.																SPEED			
N	.8	3.7	6.9	5.9	1.1	.2	.0	.0	.0	.0	.0	.0	.0	18.5	9.7				
NNE	1.4	6.5	7.0	2.9	.2	.0	.0	.0	.0	.0	.0	.0	.0	18.0	7.7				
NE	1.1	2.4	3.4	.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	7.8	7.0				
ENE	.9	2.4	1.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	4.4	5.4				
E	1.2	2.2	.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	4.1	4.6				
ESE	1.2	1.3	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.8	4.1				
SE	1.2	1.2	1.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.6	5.2				
SSE	1.1	2.2	1.6	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	5.0	6.0				
S	1.5	2.9	4.2	1.0	.1	.1	.0	.0	.0	.0	.0	.0	.0	9.8	7.4				
SSW	1.1	1.6	2.2	1.9	1.0	.4	.0	.0	.0	.0	.0	.0	.0	8.2	10.1				
SW	.2	.6	.9	1.9	.2	.0	.1	.0	.0	.0	.0	.0	.0	4.0	11.1				
WSW	.1	.3	.0	.4	.4	.0	.0	.0	.0	.0	.0	.0	.0	1.3	11.8				
W	.3	.1	.4	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.1	7.7				
WNW	.0	.3	.2	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.8	8.3				
NW	.2	.3	.4	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.2	7.5				
NNW	.3	.8	1.6	1.4	.3	.0	.0	.0	.0	.0	.0	.0	.0	4.4	9.8				
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0				
CLM	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	5.3	.0				
ALL	12.5	28.6	32.2	17.2	3.3	.8	.1	.0	.0	.0	.0	.0	.0	100.0	7.5				

TOTAL NO. OF OBS : 929

NOTES :  
 \* = PERCENT < .05

# 1 - SURFACE WINDS

043319 : ATSUGI, JAPAN  
 PERIOD OF RECORD : 1951-1987  
 CLASS : ALL WEATHER  
 CONDITION : NONE SPECIFIED

LAT. : 35 27N LONG. : 139 27E ELEV. : 214 FT  
 MONTH : FEB  
 HOUR : 1500 LST

PERCENTAGE FREQUENCY OF WIND  
 DIRECTION VS SPEED  
 (FROM HOURLY OBSERVATIONS)

DIR.	SPEED (KNOTS)																TOTAL %	MEAN WIND SPEED
	1-5	6-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	>=56								
N	.3	2.1	5.9	5.5	1.2	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	15.0	10.5
NNE	1.2	2.4	4.7	2.7	.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	11.5	8.6
N	.2	1.7	3.0	1.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	6.3	8.3
NNE	.6	2.0	1.4	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	4.3	6.3
E	1.0	2.6	1.7	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	5.6	5.9
ESE	.9	3.5	1.8	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	6.4	5.8
SE	.3	2.2	2.1	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	4.9	6.4
SSE	.8	2.1	2.5	.6	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	6.2	6.9
S	.9	3.8	8.4	3.3	.5	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	17.0	8.6
SSW	.3	1.6	3.8	2.3	.6	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	8.9	9.9
SW	.3	.2	.9	2.1	.7	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	4.4	12.6
WSW	.2	.2	.4	.2	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.3	9.5
W	.1	.4	.2	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.9	6.7
WNW	.0	.1	.4	.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.0	10.4
NW	.0	.0	.2	.2	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.5	12.4
NNW	.1	.7	1.7	1.2	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	4.1	10.3
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CLM	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.6	.0
ALL	7.5	25.6	39.1	21.2	4.4	.4	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0	8.5

TOTAL NO. OF OBS : 953

NOTES :  
 \* = PERCENT < .05

1 - SURFACE WINDS

043319 : ATSUGI, JAPAN  
PERIOD OF RECORD : 1951-1987  
LAT. : 35 27N LONG. : 139 27E ELEV. : 214 FT  
CLASS : ALL WEATHER MONTH : FEB  
CONDITION : NONE SPECIFIED HOUR : 1800 LST

PERCENTAGE FREQUENCY OF WIND  
DIRECTION VS SPEED  
(FROM HOURLY OBSERVATIONS)

		SPEED (KNOTS)																TOTAL		MEAN
16 PT.		1	3	4	6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	>=56	%	WIND			SPEED	
DIR.																				
N	2.1	5.1	7.9	5.6	.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	21.4	8.6				
NNE	2.0	4.3	6.0	3.3	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	16.0	8.0				
NE	1.5	2.4	1.8	.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	6.3	6.0				
ENE	1.5	2.0	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.7	4.4				
E	2.1	1.8	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	4.3	4.0				
ESE	1.3	1.2	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.9	3.6				
SE	.5	1.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.6	3.7				
SSE	1.3	1.7	.2	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.3	4.1				
S	2.6	2.8	1.2	.4	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	7.2	5.1				
SSW	2.0	2.0	1.3	.8	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	6.2	6.1				
SW	1.1	.9	1.0	1.7	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	4.9	8.2				
WSW	.9	.7	.4	.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.6	6.2				
W	.5	.6	.2	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.6	5.9				
WNW	.5	.7	.4	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.9	5.5				
NW	.2	.7	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.1	5.1				
NNW	1.0	1.0	2.1	1.0	.6	.1	.1	.0	.0	.0	.0	.0	.0	.0	6.0	9.2				
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0				
CLM	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	9.1	.0				
ALL	21.2	28.9	23.8	14.7	2.0	.2	.1	.0	.0	.0	.0	.0	.0	.0	100.0	6.2				

TOTAL NO. OF OBS : 964

NOTES :  
\* = PERCENT < .05

# 1 - SURFACE WINDS

043319 : ATSUGI, JAPAN  
 PERIOD OF RECORD : 1951-1987  
 CLASS : ALL WEATHER  
 CONDITION : NONE SPECIFIED

LAT. : 35 27N LONG. : 139 27E ELEV. : 214 FT  
 MONTH : FEB  
 HOUR : 2100 LST

## PERCENTAGE FREQUENCY OF WIND DIRECTION VS SPEED (FROM HOURLY OBSERVATIONS)

16 PT. DIR.		SPEED (KNOTS)																TOTAL %	MEAN WIND SPEED
		1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	>=56							
N	5.1	12.0	9.1	4.9	.8	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	32.1	7.1	
NNE	1.6	6.1	5.3	2.5	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	15.8	7.4	
NE	.7	1.5	2.1	.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	4.8	6.7	
ENE	.4	1.7	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.3	4.8	
E	.3	.3	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.8	5.4	
ESE	.4	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.6	3.5	
SE	.2	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.3	4.7	
SSE	.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.5	1.6	
S	.5	.5	.3	.7	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.2	8.0	
SSW	.1	.7	.6	.4	.1	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.1	9.6	
SW	.5	.8	.7	.2	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.4	6.4	
WSW	.4	.5	1.0	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.4	7.4	
W	.7	.3	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.5	4.1	
WNW	.7	1.0	.3	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.2	4.9	
NW	1.7	2.8	.4	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	5.3	4.6	
NNW	3.4	7.6	3.5	.9	.6	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	16.2	6.2	
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
CLM	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	8.7	.0	
ALL	17.3	36.0	24.3	11.3	2.1	.2	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0	6.1	

TOTAL NO. OF OBS : 964

NOTES :  
 \* = PERCENT < .05



# 1 - SURFACE WINDS

043319 : ATSUGI, JAPAN  
 PERIOD OF RECORD : 1951-1987  
 CLASS : ALL WEATHER  
 CONDITION : NONE SPECIFIED

LAT. : 35 27N LONG. : 139 27E ELEV. : 214 FT  
 MONTH : FEB  
 HOUR : ALL

## PERCENTAGE FREQUENCY OF WIND DIRECTION VS SPEED (FROM HOURLY OBSERVATIONS)

		SPEED (KNOTS)												TOTAL		MEAN	
16 PT.		1 - 3	4 - 6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	>=56	%				
DIR.																	
N	4.2	10.8	10.0	4.8	.7	.1	.0*	.0	.0	.0	.0	.0	30.6	7.3			
NNE	2.3	5.1	5.3	2.2	.2	.0	.0	.0	.0	.0	.0	.0	15.2	7.1			
NE	1.1	1.7	1.8	.5	.0	.0	.0	.0	.0	.0	.0	.0	5.1	6.2			
ENE	.7	1.3	.4	.1	.0	.0	.0	.0	.0	.0	.0	.0	2.5	5.1			
E	.8	.9	.4	.0*	.0	.0	.0	.0	.0	.0	.0	.0	2.1	4.7			
ESE	.5	.8	.3	.0*	.0	.0	.0	.0	.0	.0	.0	.0	1.7	4.8			
SE	.4	.6	.4	.1	.0	.0	.0	.0	.0	.0	.0	.0	1.5	5.3			
SSE	.5	.8	.6	.1	.0*	.0*	.0	.0	.0	.0	.0	.0	2.0	5.9			
S	.9	1.4	2.0	.8	.2	.0*	.0	.0	.0	.0	.0	.0	5.3	7.6			
SSW	.6	.9	1.3	.9	.2	.1	.0*	.0	.0	.0	.0	.0	4.0	9.0			
SW	.5	.4	.8	1.0	.2	.0*	.0*	.0	.0	.0	.0	.0	3.0	9.5			
WSW	.3	.3	.3	.2	.1	.0	.0	.0	.0	.0	.0	.0	1.2	7.9			
W	.5	.4	.2	.1	.0	.0	.0	.0	.0	.0	.0	.0	1.2	5.3			
WNW	.3	.5	.2	.2	.0*	.0	.0	.0	.0	.0	.0	.0	1.2	6.0			
NW	.9	1.5	.6	.2	.0*	.0	.0	.0	.0	.0	.0	.0	3.1	5.2			
NNW	2.1	4.3	3.3	1.3	.4	.1	.0*	.0	.0	.0	.0	.0	11.5	7.0			
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0			
CLM	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	8.7	.0			
ALL	16.5	31.9	27.8	12.6	2.0	.4	.1	.0	.0	.0	.0	.0	100.0	6.4			

TOTAL NO. OF OBS : 7445

NOTES :  
 \* = PERCENT < .05

## 2 - CEILING VS VISIBILITY

043319 : ATSUGI, JAPAN  
 PERIOD OF RECORD : 1951-1987  
 CLASS : ALL WEATHER  
 CONDITION : NONE SPECIFIED

LAT. : 35 27N LONG. : 139 27E ELEV. : 214 FT  
 MONTH : FEB  
 HOUR : 0000 LST

PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)

CEILING	VISIBILITY (STATUTE MILES)																	
	>=10	>=6	>=5	>=4	>=3	>=2	1/2	>=1	1/2	>=1	1/4	>=1	>=3/4	>=5/8	>=1/2	>=5/16	>=1/4	>=0
UNLIMIT	40.4	52.0	56.4	59.6	62.2	63.3	63.6	63.7	63.7	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.3
>=20000	40.9	53.5	58.1	61.2	64.0	65.2	65.5	65.6	65.6	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.2
>=18000	40.9	53.5	58.1	61.2	64.0	65.2	65.5	65.6	65.6	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.2
>=16000	40.9	53.5	58.1	61.2	64.0	65.2	65.5	65.6	65.6	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.2
>=14000	41.0	53.9	58.5	61.8	64.6	65.8	66.2	66.4	66.4	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	67.0
>=12000	41.2	54.2	59.1	62.4	65.5	66.7	67.1	67.3	67.3	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.9
>=10000	41.8	55.6	60.6	63.9	67.0	68.1	68.6	68.7	68.7	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.3
>= 9000	41.8	55.6	60.6	64.0	67.1	68.3	68.9	69.0	69.0	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.6
>= 8000	42.7	57.2	62.2	65.9	69.5	70.7	71.3	71.4	71.4	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	72.0
>= 7000	43.7	58.8	63.9	67.6	71.3	72.4	73.0	73.2	73.2	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.8
>= 6000	44.3	59.9	65.0	68.9	72.6	73.8	74.4	74.5	74.5	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.1
>= 5000	47.3	64.0	69.5	73.5	77.6	79.1	79.7	79.9	79.9	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.4
>= 4500	48.3	66.7	72.3	77.2	81.3	82.8	83.4	83.6	83.6	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.3
>= 4000	48.7	68.9	74.5	79.4	83.7	85.2	85.9	86.1	86.1	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.8
>= 3500	49.2	70.2	75.9	80.7	85.0	86.5	87.4	87.6	87.6	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.3
>= 3000	49.8	71.4	77.0	81.9	86.4	88.1	89.0	89.3	89.3	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	90.1
>= 2500	50.2	71.9	77.6	82.7	87.4	89.5	90.7	91.0	91.0	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.7
>= 2000	50.4	72.1	78.4	83.4	88.6	91.0	92.4	92.7	92.9	93.6	93.6	93.8	93.8	93.8	93.8	93.8	93.8	93.9
>= 1800	50.4	72.3	78.5	83.7	88.9	91.3	92.7	93.0	93.2	93.9	93.9	94.1	94.1	94.1	94.1	94.1	94.1	94.2
>= 1500	50.4	72.3	78.7	84.3	89.6	92.3	93.9	94.4	94.5	95.4	95.4	95.6	95.6	95.6	95.6	95.6	95.6	95.7
>= 1200	50.4	72.4	78.8	84.6	89.9	92.7	94.5	95.0	95.1	96.0	96.0	96.1	96.1	96.3	96.3	96.3	96.3	96.4
>= 1000	50.4	72.4	78.8	84.6	90.1	93.2	95.0	95.4	95.6	96.6	96.6	96.7	96.7	96.9	96.9	96.9	96.9	97.0
>= 900	50.4	72.4	78.8	84.6	90.1	93.3	95.3	96.0	96.1	97.2	97.2	97.3	97.3	97.5	97.5	97.5	97.5	97.6
>= 800	50.4	72.4	78.8	84.6	90.1	93.3	95.3	96.0	96.1	97.2	97.2	97.3	97.3	97.5	97.5	97.5	97.5	97.6
>= 700	50.4	72.4	78.8	84.7	90.4	93.6	95.7	96.4	96.6	97.6	97.6	97.8	97.8	97.9	98.1	98.1	98.1	98.2
>= 600	50.4	72.6	79.0	84.9	90.5	93.8	96.0	97.0	97.2	98.2	98.2	98.4	98.4	98.5	98.8	98.8	99.0	99.1
>= 500	50.4	72.6	79.0	84.9	90.7	94.1	96.3	97.3	97.5	98.5	98.5	98.7	98.7	98.8	99.1	99.1	99.3	99.4
>= 400	50.4	72.6	79.0	84.9	90.7	94.2	96.4	97.5	97.6	98.7	98.7	98.8	98.8	99.0	99.3	99.3	99.4	99.6
>= 300	50.4	72.6	79.0	84.9	90.7	94.2	96.4	97.5	97.6	98.7	98.7	98.8	98.8	99.1	99.3	99.3	99.4	99.6
>= 200	50.4	72.6	79.0	84.9	90.7	94.2	96.4	97.5	97.6	98.7	98.7	98.8	98.8	99.1	99.4	99.4	99.6	99.7
>= 100	50.4	72.6	79.0	84.9	90.7	94.2	96.4	97.5	97.6	98.7	98.7	98.8	98.8	99.1	99.4	99.4	99.6	99.7
>= 0	50.4	72.6	79.0	84.9	90.7	94.2	96.4	97.5	97.6	98.7	98.7	98.8	98.8	99.1	99.4	99.4	99.6	100.0

TOTAL NO. OF OPS : 675

043319 : ATSUGI, JAPAN  
 PERIOD OF RECORD : 1951-1987  
 CLASS : ALL WEATHER  
 CONDITION : NONE SPECIFIED

LAT. : 35 27N LONG. : 139 27E ELEV. : 214 FT  
 MONTH : FEB  
 HOUR : 0300 LST

PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)

CEILING	VISIBILITY (STATUTE MILES)															
	>=10	>=6	>=5	>=4	>=3	>=2	1/2	>=1	1/2	>=1	1/4	>=1	>=3/4	>=5/8	>=1/2	>=5/16
UNLIMIT	45.2	57.0	60.5	63.0	65.2	65.8	65.8	65.8	65.8	65.9	65.9	65.9	65.9	65.9	65.9	65.9
>=20000	45.2	57.1	60.6	63.1	65.5	66.1	66.1	66.1	66.1	66.2	66.2	66.2	66.2	66.2	66.2	66.2
>=18000	45.2	57.1	60.6	63.1	65.5	66.1	66.1	66.1	66.1	66.2	66.2	66.2	66.2	66.2	66.2	66.2
>=16000	45.2	57.1	60.6	63.1	65.5	66.1	66.1	66.1	66.1	66.2	66.2	66.2	66.2	66.2	66.2	66.2
>=14000	45.4	57.4	60.9	63.4	66.1	66.7	66.7	66.7	66.7	66.8	66.8	66.8	66.8	66.8	66.8	66.8
>=12000	45.8	58.4	62.0	64.6	67.4	68.0	68.0	68.0	68.0	68.1	68.1	68.1	68.1	68.1	68.1	68.1
>=10000	46.1	59.0	62.8	65.6	68.4	69.0	69.0	69.0	69.0	69.2	69.2	69.2	69.2	69.2	69.2	69.2
>= 9000	46.3	59.3	63.3	66.2	69.0	69.6	69.6	69.6	69.6	69.8	69.8	69.8	69.8	69.8	69.8	69.8
>= 8000	47.3	60.4	64.5	67.5	70.3	70.9	71.1	71.1	71.1	71.4	71.4	71.4	71.4	71.4	71.4	71.4
>= 7000	48.3	61.7	65.8	68.9	71.7	72.2	72.4	72.4	72.4	72.5	72.5	72.5	72.5	72.5	72.5	72.5
>= 6000	49.2	62.7	67.1	70.2	73.1	73.7	74.0	74.0	74.0	74.2	74.2	74.2	74.2	74.2	74.2	74.2
>= 5000	53.0	68.0	72.8	75.9	79.0	79.6	79.9	79.9	79.9	80.0	80.0	80.0	80.0	80.0	80.0	80.0
>= 4500	55.1	70.8	75.9	79.3	82.5	83.1	83.4	83.4	83.4	83.6	83.6	83.6	83.6	83.6	83.6	83.6
>= 4000	55.5	73.1	78.3	81.6	84.9	85.5	85.9	85.9	85.9	86.0	86.0	86.0	86.0	86.0	86.0	86.0
>= 3500	56.5	74.7	79.9	83.3	86.6	87.2	87.7	87.7	87.7	87.8	87.8	87.8	87.8	87.8	87.8	87.8
>= 3000	57.1	76.1	81.4	84.7	88.3	89.1	89.6	89.6	89.6	89.7	89.7	89.7	89.7	89.7	89.7	89.7
>= 2500	57.4	76.5	82.1	85.5	89.3	90.2	90.6	90.6	90.6	90.7	90.7	90.7	90.7	90.7	90.7	90.7
>= 2000	57.9	77.7	83.6	87.1	91.2	92.4	93.0	93.1	93.1	93.2	93.2	93.2	93.2	93.2	93.2	93.2
>= 1800	57.9	77.8	83.7	87.2	91.3	92.5	93.1	93.2	93.2	93.4	93.4	93.4	93.4	93.4	93.4	93.4
>= 1500	58.0	78.4	84.4	88.0	92.2	93.4	94.0	94.1	94.1	94.3	94.3	94.3	94.3	94.3	94.3	94.3
>= 1200	58.0	78.4	84.4	88.0	92.7	94.1	95.0	95.2	95.2	95.3	95.3	95.3	95.3	95.3	95.3	95.3
>= 1000	58.0	78.4	84.6	88.1	93.1	94.7	95.9	96.0	96.0	96.2	96.2	96.2	96.2	96.2	96.2	96.2
>= 900	58.0	78.4	84.6	88.1	93.1	94.7	95.9	96.2	96.2	96.3	96.3	96.3	96.3	96.3	96.3	96.3
>= 800	58.0	78.4	84.6	88.1	93.1	94.7	95.9	96.2	96.2	96.3	96.3	96.3	96.3	96.3	96.3	96.3
>= 700	58.0	78.4	84.6	88.1	93.1	94.9	96.0	96.3	96.3	96.5	96.5	96.5	96.5	96.5	96.5	96.5
>= 600	58.0	78.4	84.6	88.1	93.1	95.0	96.3	96.6	96.6	96.8	96.8	96.8	96.8	96.8	96.8	96.8
>= 500	58.0	78.6	84.7	88.3	93.4	95.4	96.9	97.2	97.2	97.4	97.4	97.4	97.4	97.4	97.4	97.4
>= 400	58.0	78.6	84.7	88.4	93.5	95.9	97.5	97.8	97.8	97.9	97.9	97.9	97.9	97.9	97.9	97.9
>= 300	58.0	78.6	84.7	88.4	93.5	95.9	97.7	97.9	97.9	98.1	98.1	98.1	98.1	98.1	98.1	98.1
>= 200	58.0	78.6	84.7	88.4	93.5	95.9	97.7	97.9	97.9	98.1	98.1	98.1	98.1	98.1	98.1	98.1
>= 100	58.0	78.6	84.7	88.4	93.5	95.9	97.7	97.9	97.9	98.1	98.1	98.1	98.1	98.1	98.1	98.1
>= 0	58.0	78.6	84.7	88.4	93.5	95.9	97.7	97.9	97.9	98.1	98.1	98.1	98.1	98.1	98.1	98.1

TOTAL NO. OF OBS : 681

043319 : ATSUGI, JAPAN  
 PERIOD OF RECORD : 1951-1987  
 CLASS : ALL WEATHER  
 CONDITION : NONE SPECIFIED

LAT. : 35 27N LONG. : 139 27E ELEV. : 214 FT  
 MONTH : FEB  
 HOUR : 0600 LST

PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)

CEILING	VISIBILITY (STATUTE MILES)															
	>=10	>=6	>=5	>=4	>=3	>=2 1/2	>=2	>=1 1/2	>=1	>=3/4	>=5/8	>=1/2	>=5/16	>=1/4	>=0	
UNLIMIT	46.3	57.3	60.5	62.2	64.0	64.5	64.9	65.1	65.2	65.3	65.3	65.3	65.3	65.3	65.3	
>=20000	46.5	57.8	61.0	62.8	64.5	65.1	65.5	65.6	65.7	65.9	65.9	65.9	65.9	65.9	65.9	
>=18000	46.5	58.0	61.2	62.9	64.7	65.2	65.6	65.7	65.9	66.0	66.0	66.0	66.0	66.0	66.0	
>=16000	46.5	58.0	61.2	62.9	64.7	65.2	65.6	65.7	65.9	66.0	66.0	66.0	66.0	66.0	66.0	
>=14000	46.7	58.5	61.8	63.6	65.5	66.0	66.4	66.5	66.7	66.8	66.8	66.8	66.8	66.8	66.8	
>=12000	47.1	59.0	62.4	64.3	66.1	66.7	67.1	67.2	67.3	67.5	67.5	67.5	67.5	67.5	67.5	
>=10000	47.5	60.4	63.7	65.6	67.5	68.0	68.4	68.5	68.7	68.8	68.8	68.8	68.8	68.8	68.8	
>=9000	47.7	60.9	64.4	66.4	68.4	68.9	69.3	69.5	69.6	69.7	69.7	69.7	69.7	69.7	69.7	
>=8000	48.5	62.1	65.9	67.9	69.9	70.5	71.0	71.1	71.2	71.4	71.4	71.4	71.4	71.4	71.4	
>=7000	49.3	63.2	66.9	68.9	71.0	71.6	72.0	72.2	72.3	72.4	72.4	72.4	72.4	72.4	72.4	
>=6000	50.2	64.5	68.4	70.4	72.7	73.4	73.8	73.9	74.0	74.2	74.2	74.2	74.2	74.2	74.2	
>=5000	54.2	69.7	73.8	75.8	78.2	78.8	79.3	79.4	79.5	79.7	79.7	79.7	79.7	79.7	79.7	
>=4500	56.2	72.8	76.8	79.0	81.4	82.1	82.5	82.6	82.7	82.9	82.9	82.9	82.9	82.9	82.9	
>=4000	57.2	74.8	79.0	81.3	83.8	84.5	84.9	85.0	85.1	85.3	85.3	85.3	85.3	85.3	85.3	
>=3500	58.2	76.7	80.9	83.1	85.7	86.3	86.9	87.1	87.3	87.4	87.4	87.4	87.4	87.4	87.4	
>=3000	59.2	78.2	82.3	84.9	87.6	88.2	88.8	88.9	89.0	89.2	89.3	89.3	89.3	89.3	89.3	
>=2500	59.7	79.4	83.5	86.3	89.2	89.8	90.5	90.9	91.0	91.2	91.3	91.3	91.3	91.3	91.3	
>=2000	59.8	80.5	84.7	87.8	90.6	91.3	92.1	92.5	92.6	92.8	92.9	92.9	92.9	92.9	92.9	
>=1800	59.8	80.6	85.0	88.1	91.0	91.8	92.6	93.0	93.2	93.3	93.4	93.4	93.4	93.4	93.4	
>=1500	60.0	81.1	85.7	88.8	91.7	92.9	93.7	94.1	94.2	94.5	94.6	94.6	94.6	94.6	94.6	
>=1200	60.0	81.3	85.9	89.0	92.1	93.4	94.2	95.0	95.2	95.6	95.9	95.9	95.9	95.9	95.9	
>=1000	60.1	81.7	86.3	89.4	92.8	94.1	94.9	95.9	96.0	96.5	96.9	96.9	96.9	96.9	96.9	
>=900	60.1	81.8	86.5	89.8	93.3	94.8	95.6	96.5	96.7	97.2	97.6	97.6	97.6	97.6	97.6	
>=800	60.1	81.8	86.5	89.8	93.3	94.9	95.9	96.9	97.1	97.7	98.1	98.1	98.1	98.1	98.1	
>=700	60.1	81.8	86.5	90.0	93.4	95.0	96.0	97.1	97.2	98.1	98.5	98.5	98.5	98.5	98.5	
>=600	60.1	81.8	86.6	90.1	93.6	95.2	96.1	97.2	97.3	98.3	98.7	98.7	98.8	98.8	98.8	
>=500	60.1	81.8	86.6	90.1	93.6	95.2	96.1	97.3	97.5	98.4	98.8	98.8	98.9	98.9	98.9	
>=400	60.1	81.8	86.6	90.1	93.6	95.3	96.4	97.6	97.7	98.8	99.2	99.2	99.3	99.3	99.3	
>=300	60.1	81.8	86.6	90.1	93.7	95.4	96.7	97.9	98.0	99.1	99.5	99.5	99.6	99.6	99.6	
>=200	60.1	81.8	86.6	90.1	93.7	95.4	96.7	98.0	98.1	99.2	99.6	99.6	99.7	99.7	99.7	
>=100	60.1	81.8	86.6	90.1	93.7	95.4	96.7	98.0	98.1	99.2	99.6	99.6	99.7	99.7	99.7	
>=0	60.1	81.8	86.6	90.1	93.7	95.4	96.7	98.0	98.1	99.2	99.6	99.6	99.7	99.7	99.7	

TOTAL NO. OF OPS : 747

## 2 - CEILING VS VISIBILITY

043319 : AITSUGI, JAPAN  
 PERIOD OF RECORD : 1951-1987  
 CLASS : ALL WEATHER  
 CONDITION : NONE SPECIFIED

LAT. : 35 27N LONG. : 139 27E ELEV. : 214 FT  
 MONTH : FEB  
 HOUR : 0900 LST

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

CEILING	VISIBILITY (STATUTE MILES)										
	>=10	>=6	>=5	>=4	>=3	>=2 1/2	>=2	>=1 1/2	>=1	>=3/4	>=5/8
											>=1/2
											>=5/16
											>=1/4
											>=0
UNLIMIT	32.0	44.7	51.5	56.6	63.1	65.0	65.9	66.2	66.4	66.4	66.4
>=20000	32.4	45.4	52.3	57.6	64.1	65.9	67.0	67.3	67.4	67.4	67.4
>=18000	32.6	45.5	52.4	57.7	64.3	66.2	67.3	67.6	67.6	67.6	67.6
>=16000	32.6	45.5	52.4	57.7	64.3	66.2	67.3	67.6	67.8	67.8	67.8
>=14000	33.0	46.1	53.0	58.2	65.0	66.9	68.0	68.2	68.5	68.5	68.5
>=12000	33.4	47.2	54.2	59.7	66.5	68.4	69.5	69.7	70.1	70.1	70.1
>=10000	33.5	48.0	55.0	60.7	67.6	69.6	70.7	70.9	71.5	71.5	71.5
>=9000	33.5	48.6	55.7	61.4	68.2	70.3	71.4	71.6	72.2	72.2	72.2
>=8000	33.5	49.2	56.4	62.0	68.9	71.1	72.6	72.8	73.4	73.4	73.4
>=7000	33.8	50.0	57.2	63.0	69.6	72.0	73.6	73.9	74.5	74.5	74.5
>=6000	33.9	51.1	58.4	64.2	71.1	73.2	75.0	75.4	75.9	75.9	75.9
>=5000	33.9	54.3	62.2	68.4	75.5	78.1	80.1	80.7	81.2	81.2	81.2
>=4500	37.3	56.8	64.6	71.2	78.6	81.5	83.5	84.1	84.6	84.6	84.6
>=4000	38.1	58.2	66.2	73.1	80.7	83.6	85.8	86.4	86.9	86.9	86.9
>=3500	38.4	58.8	67.0	74.1	81.6	84.9	87.0	87.6	88.2	88.2	88.2
>=3000	38.6	60.0	68.4	75.5	83.2	87.0	89.3	90.0	90.7	90.7	90.7
>=2500	38.8	60.4	69.2	76.4	84.2	88.0	90.4	91.2	92.2	92.2	92.2
>=2000	38.8	60.8	69.6	76.9	84.9	88.8	91.2	92.0	93.0	93.0	93.0
>=1800	38.8	60.8	69.7	77.0	85.0	88.9	91.4	92.3	93.2	93.2	93.2
>=1500	38.9	61.4	70.5	78.2	86.4	90.3	93.2	94.3	95.4	95.5	95.5
>=1200	38.9	61.5	70.7	78.4	86.5	90.4	93.5	94.7	95.9	96.1	96.1
>=1000	39.1	61.6	70.8	78.5	86.6	90.5	93.8	95.3	97.0	97.3	97.3
>=900	39.1	61.6	70.8	78.6	86.9	90.8	94.2	95.7	97.4	97.7	97.7
>=800	39.1	61.6	70.8	78.6	86.9	90.8	94.6	96.1	98.0	98.2	98.2
>=700	39.1	61.6	70.8	78.6	86.9	90.8	94.9	96.4	98.2	98.5	98.5
>=600	39.1	61.6	70.8	78.6	87.0	90.9	95.3	96.8	98.6	99.1	99.1
>=500	39.1	61.6	70.8	78.6	87.0	90.9	95.4	96.9	98.9	99.3	99.5
>=400	39.1	61.6	70.8	78.6	87.0	90.9	95.4	97.0	99.1	99.6	99.7
>=300	39.1	61.6	70.8	78.6	87.0	90.9	95.4	97.4	99.1	99.7	99.9
>=200	39.1	61.6	70.8	78.6	87.0	90.9	95.4	97.0	99.1	99.9	100.0
>=100	39.1	61.6	70.8	78.6	87.0	90.9	95.4	97.4	99.1	99.9	100.0
>=0	39.1	61.6	70.8	78.6	87.0	90.9	95.4	97.0	99.1	99.9	100.0

TOTAL NO. OF OBS : 740

## 2 - CEILING VS VISIBILITY

043319 : ATSUGI, JAPAN  
 PERIOD OF RECORD : 1951-1987  
 CLASS : ALL WEATHER  
 CONDITION : NONE SPECIFIED

LAT. : 35 27N LONG. : 139 27E ELEV. : 214 FT  
 MONTH : FEB  
 HOUR : 1200 LST

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

## VISIBILITY (STATUTE MILES)

CEILING	>=10	>=6	>=5	>=4	>=3	>=2	1/2	>=1	1/2	>=1	1/4	>=1	>=3/4	>=5/8	>=1/2	>=5/16	>=1/4	>=0
UNLIMIT	41.8	60.0	64.6	65.8	68.4	69.0	69.1	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3
>=20000	42.4	61.4	65.9	67.2	69.9	70.5	70.6	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9
>=18000	42.4	61.4	65.9	67.2	69.9	70.5	70.6	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9
>=16000	42.4	61.6	66.2	67.6	70.3	70.9	71.0	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3
>=14000	42.5	62.2	66.7	68.3	71.1	71.7	71.8	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1
>=12000	43.0	63.4	67.9	69.8	72.6	73.1	73.3	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5
>=10000	43.3	64.0	68.6	71.0	74.2	74.7	74.9	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1
>= 9000	43.6	64.6	69.3	71.8	75.0	75.5	75.7	75.9	75.9	75.9	75.9	76.1	76.1	76.1	76.1	76.1	76.1	76.1
>= 8000	44.0	65.4	70.2	72.7	75.9	76.5	76.6	76.9	76.9	76.9	76.9	77.0	77.1	77.1	77.1	77.1	77.1	77.1
>= 7000	44.3	65.9	70.7	73.4	76.6	77.1	77.3	77.5	77.5	77.5	77.5	77.7	77.8	77.8	77.8	77.8	77.8	77.8
>= 6000	44.5	66.4	71.3	74.1	77.4	77.9	78.1	78.3	78.3	78.3	78.3	78.5	78.6	78.6	78.6	78.6	78.6	78.6
>= 5000	46.3	69.5	74.9	78.2	81.8	82.6	82.9	83.2	83.2	83.2	83.2	83.3	83.4	83.4	83.4	83.4	83.4	83.4
>= 4500	46.4	69.9	75.8	79.4	83.2	84.0	84.5	84.8	84.8	84.8	84.8	84.9	85.0	85.0	85.0	85.0	85.0	85.0
>= 4000	47.2	71.3	77.3	81.1	85.2	86.0	86.5	86.8	86.8	86.8	86.8	86.9	87.0	87.0	87.0	87.0	87.0	87.0
>= 3500	47.7	72.5	78.7	82.6	86.8	87.6	88.1	88.4	88.4	88.4	88.5	88.6	88.8	88.8	88.8	88.8	88.8	88.8
>= 3000	48.3	73.5	79.8	83.7	88.5	89.4	90.0	90.2	90.2	90.4	90.4	90.5	90.8	90.8	90.8	90.8	90.8	90.8
>= 2500	48.5	74.2	80.7	84.8	89.7	90.6	91.4	91.7	91.7	91.8	92.1	92.1	92.4	92.4	92.4	92.4	92.4	92.4
>= 2000	48.5	74.5	81.3	85.3	90.5	91.6	92.5	92.8	92.8	92.9	93.3	93.3	93.7	93.7	93.9	93.9	93.9	93.9
>= 1800	48.5	74.5	81.3	85.3	90.5	91.8	92.9	93.2	93.2	93.3	93.7	93.7	94.1	94.1	94.3	94.3	94.3	94.3
>= 1500	48.5	74.5	81.4	85.4	90.9	92.4	93.6	93.9	94.1	94.1	94.8	95.2	95.2	95.2	95.3	95.3	95.3	95.3
>= 1200	48.7	74.6	81.6	85.8	91.3	92.8	94.3	94.8	95.1	95.1	95.7	96.1	96.1	96.1	96.3	96.3	96.3	96.3
>= 1000	48.7	74.7	81.7	86.0	91.6	93.0	94.5	95.1	95.1	95.3	96.4	96.4	96.8	96.8	96.9	96.9	96.9	96.9
>= 900	48.7	74.7	81.7	86.0	91.6	93.0	94.5	95.1	95.1	95.3	96.4	96.4	96.9	96.9	97.1	97.1	97.1	97.1
>= 800	48.7	74.7	81.7	86.0	91.6	93.2	94.9	96.0	96.0	96.4	97.5	97.5	98.0	98.0	98.1	98.3	98.3	98.3
>= 700	48.7	74.7	81.7	86.0	91.6	93.2	94.9	96.0	96.0	96.4	97.5	97.5	98.0	98.0	98.1	98.3	98.3	98.3
>= 600	48.7	74.7	81.7	86.0	91.7	93.3	95.1	96.1	96.1	96.7	97.9	97.9	98.5	98.5	98.7	98.9	98.9	98.9
>= 500	48.7	74.7	81.7	86.0	91.7	93.3	95.1	96.1	96.1	96.7	97.9	97.9	98.7	98.7	98.8	99.2	99.2	99.2
>= 400	48.7	74.7	81.7	86.0	91.7	93.4	95.2	96.3	96.3	96.8	98.0	98.0	98.9	99.2	99.6	100.0	100.0	100.0
>= 300	48.7	74.7	81.7	86.0	91.7	93.4	95.2	96.3	96.3	96.8	98.0	98.0	98.9	99.2	99.6	100.0	100.0	100.0
>= 200	48.7	74.7	81.7	86.0	91.7	93.4	95.2	96.3	96.3	96.8	98.0	98.0	98.9	99.2	99.6	100.0	100.0	100.0
>= 100	48.7	74.7	81.7	86.0	91.7	93.4	95.2	96.3	96.3	96.8	98.0	98.0	98.9	99.2	99.6	100.0	100.0	100.0
>= 0	48.7	74.7	81.7	86.0	91.7	93.4	95.2	96.3	96.3	96.8	98.0	98.0	98.9	99.2	99.6	100.0	100.0	100.0

TOTAL NO. OF OBS : 748

043319 : AYSUGI, JAPAN  
PERIOD OF RECORD : 1951-1987  
CLASS : ALL WEATHER  
CONDITION : NONE SPECIFIED

LAT. : 35 27N LONG. : 139 27E ELEV. : 214 FT  
MONTH : FEB HOUR : 1500 LST

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

CEILING	VISIBILITY (STATUTE MILES)															
	>=10	>=6	>=5	>=4	>=3	>=2	1/2 >=2	>=1	1/2 >=1	1/4 >=1	>=3/4	>=5/8	>=1/2	>=5/16	>=1/4	>=0
UNLIMIT	36.9	51.1	54.7	57.5	58.8	59.7	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3
>=20000	37.0	52.4	56.3	59.3	60.5	61.5	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1
>=18000	37.2	52.6	56.4	59.4	60.8	61.8	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4
>=16000	37.2	52.8	56.7	59.7	61.1	62.1	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7
>=14000	37.6	53.3	57.1	60.5	62.0	63.1	63.8	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0
>=12000	37.6	54.1	58.3	61.8	63.5	64.8	65.5	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7
>=10000	37.7	55.3	59.5	63.2	65.0	66.8	67.5	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7
>= 9000	37.7	55.3	59.5	63.2	65.0	67.0	67.7	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8
>= 8000	38.2	56.7	61.3	65.0	67.0	69.1	69.9	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1
>= 7000	38.3	57.1	61.8	65.7	67.7	69.8	70.8	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9
>= 6000	38.6	57.8	62.7	66.5	68.7	70.9	71.9	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2
>= 5000	40.6	61.5	67.5	72.2	74.4	76.8	77.8	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1
>= 4500	42.2	64.4	70.7	75.5	77.9	80.3	81.5	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8
>= 4000	43.3	67.2	73.9	79.1	81.9	84.3	85.8	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.2	86.2
>= 3500	43.7	68.4	75.4	80.6	83.6	86.5	88.3	88.6	88.6	88.7	88.7	88.7	88.7	88.7	88.9	88.9
>= 3000	43.9	69.4	76.9	82.3	85.6	88.5	90.3	90.6	90.6	90.9	90.9	90.9	90.9	90.9	91.0	91.0
>= 2500	43.9	69.5	77.5	82.9	86.2	89.0	91.0	91.3	91.5	91.9	91.9	91.9	91.9	91.9	92.0	92.0
>= 2000	44.0	69.7	77.6	83.0	86.3	89.7	91.9	92.3	92.5	92.9	92.9	92.9	92.9	92.9	93.0	93.0
>= 1800	44.0	69.8	77.8	83.3	86.8	90.3	92.5	92.9	93.0	93.4	93.4	93.4	93.4	93.4	93.6	93.6
>= 1500	44.0	69.9	77.9	83.6	87.3	91.0	93.6	94.2	94.3	94.7	94.7	94.7	94.7	94.7	94.9	94.9
>= 1200	44.0	69.9	77.9	83.8	87.5	91.5	93.9	94.4	94.6	95.2	95.2	95.2	95.2	95.3	95.3	95.3
>= 1000	44.0	69.9	77.9	83.8	87.7	91.5	94.4	95.0	95.2	95.7	95.7	95.7	95.7	95.7	95.9	95.9
>= 900	44.0	69.9	77.9	83.8	87.7	91.6	94.6	95.2	95.6	96.4	96.4	96.4	96.6	96.6	96.7	96.7
>= 800	44.0	69.9	77.9	83.8	87.9	91.7	94.7	95.3	95.7	96.6	96.6	96.6	96.7	96.7	96.9	96.9
>= 700	44.0	70.1	78.1	83.9	88.0	91.9	94.9	95.6	96.0	96.9	96.9	96.9	97.0	97.0	97.2	97.2
>= 600	44.0	70.1	78.1	83.9	88.0	92.0	95.0	95.7	96.2	97.3	97.6	97.9	98.4	98.4	98.6	98.6
>= 500	44.0	70.1	78.1	83.9	88.2	92.2	95.2	95.9	96.4	97.6	97.9	98.1	98.9	98.9	99.0	99.0
>= 400	44.0	70.1	78.1	83.9	88.2	92.2	95.2	95.9	96.4	97.7	98.1	98.4	99.4	99.6	99.7	99.7
>= 300	44.0	70.1	78.1	83.9	88.2	92.2	95.2	95.9	96.4	97.7	98.1	98.4	99.4	99.6	99.7	99.7
>= 200	44.0	70.1	78.1	83.9	88.2	92.2	95.2	95.9	96.4	97.7	98.3	98.6	99.6	99.7	99.9	100.0
>= 100	44.0	70.1	78.1	83.9	88.2	92.2	95.2	95.9	96.4	97.7	98.3	98.6	99.6	99.7	99.9	100.0
>= 0	44.0	70.1	78.1	83.9	88.2	92.2	95.2	95.9	96.4	97.7	98.3	98.6	99.6	99.7	99.9	100.0

TOTAL NO. OF OBS : 702

2 - CEILING VS VISIBILITY

043319 : ATSUGI, JAPAN  
 PERIOD OF RECORD : 1951-1987  
 CLASS : ALL WEATHER  
 CONDITION : NONE SPECIFIED

LAT. : 35 27N LONG. : 139 27E ELEV. : 214 FT  
 MONTH : FEB  
 HOUR : 1800 LST

PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)

CEILING	VISIBILITY (STATUTE MILES)																
	>=10	>=6	>=5	>=4	>=3	>=2	1/2	>=2	>=1	1/2	>=1	>=3/4	>=5/8	>=1/2	>=5/16	>=1/4	>=0
UNLIMIT	30.1	44.7	49.2	54.5	59.4	60.3	62.9	63.2	63.4	63.9	64.0	64.0	64.0	64.0	64.0	64.0	64.0
>=20000	30.3	45.9	50.6	55.9	60.8	61.8	64.6	65.0	65.2	65.7	65.8	65.8	65.8	65.8	65.8	65.8	65.8
>=18000	30.3	45.9	50.6	55.9	60.8	61.8	64.6	65.0	65.2	65.7	65.8	65.8	65.8	65.8	65.8	65.8	65.8
>=16000	30.3	45.9	50.6	55.9	60.8	61.8	64.6	65.0	65.2	65.7	65.8	65.8	65.8	65.8	65.8	65.8	65.8
>=14000	30.3	46.2	51.0	56.3	61.2	62.2	65.0	65.4	65.7	66.1	66.2	66.2	66.2	66.2	66.2	66.2	66.2
>=12000	30.9	47.2	52.1	57.5	62.6	63.9	66.8	67.2	67.6	68.0	68.1	68.1	68.1	68.1	68.1	68.1	68.1
>=10000	31.3	47.6	53.0	58.5	63.6	65.0	67.9	68.3	68.7	69.1	69.2	69.2	69.2	69.2	69.2	69.2	69.2
>=9000	31.3	47.6	53.0	58.8	63.9	65.2	68.1	68.6	69.0	69.4	69.5	69.5	69.5	69.5	69.5	69.5	69.5
>=8000	31.6	48.3	53.7	59.6	64.7	66.1	69.1	69.5	69.9	70.3	70.5	70.5	70.5	70.5	70.5	70.5	70.5
>=7000	31.7	49.0	54.3	60.3	65.7	67.0	70.2	70.6	71.0	71.6	71.7	71.7	71.7	71.7	71.7	71.7	71.7
>=6000	32.0	49.4	54.8	61.0	66.3	67.7	71.2	71.7	72.1	72.7	73.0	73.0	73.2	73.2	73.2	73.2	73.2
>=5000	33.2	52.6	58.5	65.5	72.0	73.7	77.1	77.7	78.1	78.6	78.9	78.9	79.2	79.2	79.2	79.2	79.2
>=4500	33.8	53.9	60.0	67.7	75.2	77.1	80.6	81.2	81.7	82.2	82.5	82.5	82.8	82.8	82.8	82.8	82.8
>=4000	33.9	55.2	61.7	69.8	77.5	79.4	83.0	83.9	84.3	84.8	85.1	85.1	85.4	85.4	85.4	85.4	85.4
>=3500	34.2	56.0	62.5	70.6	78.5	80.7	84.6	85.4	85.8	86.3	86.8	87.0	87.0	87.0	87.0	87.0	87.0
>=3000	34.5	56.8	63.6	71.7	79.7	82.1	86.3	87.3	87.7	88.4	89.0	89.0	89.2	89.2	89.2	89.2	89.2
>=2500	34.6	57.5	64.4	73.0	81.1	83.7	88.3	89.4	89.8	90.6	91.3	91.3	91.6	91.6	91.6	91.6	91.6
>=2000	34.6	57.9	64.8	73.5	82.1	85.1	89.8	91.2	91.6	92.6	93.5	93.5	93.8	93.8	93.8	93.8	93.8
>=1800	34.6	57.9	64.8	73.7	82.3	85.4	90.1	91.4	91.9	92.8	93.8	93.8	94.1	94.1	94.1	94.1	94.1
>=1500	34.6	57.9	64.8	73.7	82.3	85.5	90.2	91.6	92.0	93.1	94.1	94.1	94.3	94.3	94.3	94.3	94.3
>=1200	34.6	58.1	65.0	73.9	83.0	86.2	90.9	92.3	92.8	93.9	94.9	94.9	95.2	95.2	95.2	95.2	95.2
>=1000	34.6	58.2	65.1	74.1	83.3	87.2	92.0	93.7	94.2	95.3	96.3	96.3	96.6	96.6	96.6	96.6	96.6
>=900	34.6	58.2	65.1	74.1	83.3	87.3	92.4	94.2	94.8	95.9	96.8	97.0	97.2	97.2	97.2	97.2	97.2
>=800	34.6	58.2	65.1	74.2	83.4	87.6	92.7	94.8	95.3	96.6	97.7	97.8	98.2	98.2	98.2	98.2	98.2
>=700	34.6	58.2	65.1	74.2	83.6	87.9	93.0	95.0	95.6	96.8	98.2	98.3	98.8	98.8	98.8	98.8	98.8
>=600	34.6	58.2	65.1	74.2	83.6	87.9	93.0	95.0	95.6	97.1	98.6	98.8	99.2	99.2	99.2	99.2	99.2
>=500	34.6	58.2	65.1	74.2	83.7	88.0	93.1	95.2	95.7	97.4	98.9	99.0	99.4	99.4	99.4	99.4	99.4
>=400	34.6	58.2	65.1	74.2	83.7	88.0	93.1	95.2	95.7	97.4	98.9	99.0	99.4	99.4	99.4	99.4	99.4
>=300	34.6	58.2	65.1	74.2	83.7	88.0	93.1	95.2	95.7	97.4	98.9	99.0	99.4	99.4	99.4	99.4	99.4
>=200	34.6	58.2	65.1	74.2	83.7	88.0	93.1	95.2	95.7	97.4	98.9	99.0	99.4	99.4	99.4	99.4	99.4
>=100	34.6	58.2	65.1	74.2	83.7	88.0	93.1	95.2	95.7	97.4	98.9	99.0	99.4	99.4	99.4	99.4	99.4
>=0	34.6	58.2	65.1	74.2	83.7	88.0	93.1	95.2	95.7	97.4	98.9	99.0	99.4	99.4	99.4	99.4	99.4

TOTAL NO. OF OBS : 725



## 2 - CEILING VS VISIBILITY

043319 : ATSUGI, JAPAN  
PERIOD OF RECORD : 1951-1987  
CLASS : ALL WEATHER  
CONDITION : NONE SPECIFIED

LAT. : 35 27N LONG. : 139 27E ELEV. : 214 FT  
MONTH : FEB  
HOUR : 2100 LST

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

CEILING	VISIBILITY (STATUTE MILES)															
	>=10	>=6	>=5	>=4	>=3	>=2 1/2	>=2 1/2	>=1 1/2	>=1 1/4	>=1	>=3/4	>=5/8	>=1/2	>=5/16	>=1/4	>=0
UNLIMIT	36.9	50.6	54.5	58.0	62.5	63.6	64.6	64.9	64.9	65.0	65.0	65.0	65.0	65.0	65.0	65.1
>=20000	37.2	51.3	55.2	58.8	63.6	64.7	65.7	66.0	66.0	66.1	66.1	66.1	66.1	66.1	66.1	66.3
>=18000	37.2	51.3	55.3	58.9	63.8	64.9	65.8	66.1	66.1	66.4	66.4	66.4	66.4	66.4	66.4	66.5
>=16000	37.2	51.3	55.3	58.9	63.9	65.0	66.0	66.3	66.3	66.5	66.5	66.5	66.5	66.5	66.5	66.7
>=14000	37.2	51.6	55.6	59.3	64.5	65.7	66.8	67.1	67.1	67.4	67.4	67.4	67.4	67.4	67.4	67.5
>=12000	37.5	52.0	56.2	60.2	65.4	66.8	67.9	68.2	68.2	68.5	68.5	68.5	68.5	68.5	68.5	68.6
>=10000	37.6	52.3	56.6	60.6	65.8	67.2	68.5	68.7	68.7	69.0	69.0	69.0	69.0	69.0	69.0	69.2
>=9000	37.6	52.6	57.1	61.1	66.4	67.8	69.0	69.3	69.3	69.6	69.6	69.6	69.6	69.6	69.6	69.7
>=8000	38.3	53.9	58.5	62.5	67.9	69.3	70.5	70.8	70.8	71.1	71.1	71.1	71.1	71.1	71.1	71.2
>=7000	38.6	54.4	59.2	63.2	68.7	70.3	71.5	71.9	71.9	72.3	72.3	72.3	72.3	72.3	72.3	72.5
>=6000	39.1	55.3	60.2	64.5	70.1	71.6	73.0	73.4	73.4	73.9	73.9	73.9	73.9	73.9	73.9	74.0
>=5000	41.2	58.9	64.2	69.2	75.7	77.5	79.0	79.7	79.7	80.1	80.1	80.1	80.1	80.1	80.1	80.2
>=4500	42.0	61.0	66.9	72.3	78.8	80.8	82.3	83.1	83.1	83.7	83.7	83.7	83.7	83.7	83.7	83.8
>=4000	42.3	62.2	68.5	73.9	81.1	83.0	84.5	85.5	85.5	86.0	86.0	86.0	86.0	86.0	86.0	86.2
>=3500	42.9	63.2	69.7	75.2	82.6	84.8	86.3	87.3	87.3	87.8	87.8	87.8	87.8	87.8	87.8	88.0
>=3000	43.3	64.5	71.1	76.8	84.5	86.9	88.4	89.6	89.6	90.2	90.2	90.2	90.2	90.2	90.2	90.3
>=2500	43.4	65.1	71.9	77.9	85.8	88.2	90.0	91.6	91.6	92.3	92.3	92.3	92.4	92.4	92.4	92.5
>=2000	43.6	65.7	72.6	78.8	86.9	89.5	91.4	92.9	93.1	93.6	93.6	93.6	93.8	93.8	93.8	93.9
>=1800	43.6	65.8	72.8	79.1	87.1	89.8	91.7	93.4	93.5	94.1	94.1	94.1	94.2	94.2	94.2	94.3
>=1500	43.6	66.1	73.0	79.4	87.7	90.3	92.5	94.3	94.5	95.0	95.0	95.0	95.2	95.2	95.2	95.3
>=1200	43.6	66.4	73.3	79.8	88.2	90.9	93.1	94.9	95.0	95.6	95.6	95.6	95.7	95.7	95.7	95.9
>=1000	43.6	66.4	73.4	79.9	88.5	91.4	94.1	96.0	96.1	96.8	96.8	96.8	97.0	97.0	97.0	97.1
>=900	43.6	66.4	73.4	79.9	88.7	91.7	94.3	96.3	96.4	97.1	97.1	97.1	97.2	97.2	97.2	97.4
>=800	43.6	66.4	73.6	80.1	88.8	91.8	94.6	96.5	96.7	97.4	97.4	97.4	97.5	97.5	97.5	97.6
>=700	43.6	66.4	73.6	80.1	88.9	92.1	94.9	97.0	97.2	98.1	98.1	98.1	98.2	98.3	98.3	98.5
>=600	43.6	66.5	73.7	80.2	89.1	92.3	95.0	97.1	97.4	98.5	98.5	98.5	98.6	98.8	98.8	98.9
>=500	43.6	66.5	73.7	80.2	89.1	92.3	95.0	97.1	97.4	98.5	98.5	98.5	98.6	98.8	98.8	98.9
>=400	43.6	66.5	73.7	80.2	89.1	92.3	95.0	97.4	97.6	98.9	99.0	99.0	99.2	99.3	99.3	99.4
>=300	43.6	66.5	73.7	80.2	89.1	92.3	95.0	97.4	97.6	98.9	99.2	99.2	99.3	99.4	99.4	99.6
>=200	43.6	66.5	73.7	80.2	89.1	92.3	95.0	97.4	97.6	98.9	99.3	99.3	99.6	99.7	99.7	99.9
>=100	43.6	66.5	73.7	80.2	89.1	92.3	95.0	97.4	97.6	98.9	99.3	99.4	99.7	99.9	99.9	100.0
>=0	43.6	66.5	73.7	80.2	89.1	92.3	95.0	97.4	97.6	98.9	99.3	99.4	99.7	99.9	99.9	100.0

TOTAL NO. OF OBS : 723

## 2 - CEILING VS VISIBILITY

043319 : AYSUGI, JAPAN  
 PERIOD OF RECORD : 1951-1987  
 CLASS : ALL WEATHER  
 CONDITION : NONE SPECIFIED

LAT. : 35 27N LONG. : 139 27E ELEV. : 214 FT  
 MONTH : FEB  
 HOUR : ALL

PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)

CEILING	VISIBILITY (STATUTE MILES)																			
	>=10	>=6	>=5	>=4	>=3	>=2	1/2	>=1	1/2	>=1	1/4	>=1	>=3/4	>=5/8	>=1/2	>=5/16	>=1/4	>=0		
UNLIMIT	38.7	52.2	56.5	59.7	63.0	63.9	64.7	64.8	64.9	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1		
>=20000	39.0	53.1	57.5	60.7	64.2	65.1	65.9	66.1	66.2	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.4	66.4		
>=18000	39.0	53.2	57.6	60.8	64.2	65.2	66.0	66.2	66.2	66.4	66.4	66.4	66.5	66.5	66.5	66.5	66.5	66.5		
>=16000	39.0	53.2	57.7	60.9	64.4	65.3	66.1	66.3	66.4	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.7		
>=14000	39.2	53.6	58.1	61.5	65.0	66.0	66.9	67.1	67.1	67.3	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4		
>=12000	39.5	54.5	59.0	62.6	66.2	67.3	68.2	68.4	68.5	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.8		
>=10000	39.8	55.3	60.0	63.6	67.4	68.6	69.5	69.7	69.8	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.1		
>= 9000	39.9	55.6	60.4	64.1	67.9	69.1	70.0	70.2	70.3	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6		
>= 8000	40.5	56.6	61.6	65.4	69.3	70.5	71.5	71.7	71.8	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.2		
>= 7000	41.0	57.5	62.5	66.4	70.3	71.6	72.6	72.9	72.9	73.2	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3		
>= 6000	41.4	58.4	63.5	67.5	71.5	72.8	73.9	74.2	74.3	74.6	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.8		
>= 5000	43.9	62.3	67.9	72.3	76.8	78.3	79.5	79.8	79.9	80.2	80.2	80.2	80.2	80.2	80.3	80.3	80.3	80.4		
>= 4500	45.1	64.5	70.4	75.2	79.9	81.4	82.7	83.1	83.2	83.5	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.7		
>= 4000	45.7	66.3	72.4	77.4	82.3	83.9	85.3	85.7	85.8	86.1	86.2	86.2	86.2	86.2	86.2	86.2	86.3	86.3		
>= 3500	46.3	67.5	73.7	78.7	83.8	85.5	87.0	87.4	87.5	87.9	88.0	88.0	88.0	88.0	88.1	88.1	88.1	88.1		
>= 3000	46.8	68.7	75.0	80.2	85.5	87.4	89.0	89.4	89.5	89.9	90.1	90.1	90.1	90.1	90.1	90.1	90.2	90.2		
>= 2500	47.0	69.3	75.8	81.1	86.6	88.6	90.4	91.0	91.1	91.6	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.9		
>= 2000	47.1	69.8	76.5	82.0	87.6	89.9	91.8	92.4	92.6	93.1	93.4	93.4	93.4	93.5	93.5	93.5	93.5	93.6		
>= 1800	47.1	69.9	76.7	82.1	87.9	90.2	92.1	92.8	93.0	93.5	93.7	93.7	93.7	93.7	93.8	93.8	93.9	93.9		
>= 1500	47.2	70.2	77.0	82.6	88.5	91.0	93.1	93.9	94.0	94.7	94.9	94.9	94.9	94.9	95.0	95.0	95.1	95.1		
>= 1200	47.2	70.3	77.2	82.9	88.9	91.4	93.7	94.5	94.8	95.4	95.7	95.7	95.7	95.7	95.8	95.8	95.9	95.9		
>= 1000	47.2	70.4	77.3	83.0	89.2	91.9	94.3	95.3	95.5	96.4	96.7	96.7	96.7	96.8	96.8	96.8	96.9	96.9		
>= 900	47.2	70.4	77.3	83.1	89.3	92.1	94.6	95.6	95.9	96.8	97.1	97.1	97.1	97.2	97.3	97.3	97.3	97.4		
>= 800	47.2	70.4	77.3	83.1	89.4	92.2	94.8	96.0	96.3	97.2	97.6	97.6	97.6	97.6	97.7	97.8	97.8	97.8		
>= 700	47.2	70.4	77.4	83.2	89.5	92.4	95.0	96.2	96.5	97.5	97.9	97.9	97.9	98.0	98.1	98.1	98.2	98.2		
>= 600	47.2	70.5	77.4	83.2	89.6	92.5	95.2	96.4	96.8	97.9	98.4	98.4	98.4	98.4	98.7	98.7	98.8	98.9		
>= 500	47.2	70.5	77.4	83.2	89.7	92.6	95.4	96.6	97.0	98.1	98.7	98.7	98.7	98.7	99.0	99.1	99.1	99.2		
>= 400	47.2	70.5	77.4	83.3	89.7	92.8	95.5	96.8	97.2	98.4	99.0	99.0	99.0	99.1	99.4	99.5	99.6	99.6		
>= 300	47.2	70.5	77.4	83.3	89.7	92.8	95.6	96.9	97.2	98.4	99.1	99.1	99.1	99.2	99.5	99.6	99.7	99.8		
>= 200	47.2	70.5	77.4	83.3	89.7	92.8	95.6	96.9	97.2	98.4	99.2	99.2	99.2	99.3	99.7	99.8	99.8	99.9		
>= 100	47.2	70.5	77.4	83.3	89.7	92.8	95.6	96.9	97.2	98.4	99.2	99.2	99.2	99.3	99.7	99.8	99.9	100.0		
>= 0	47.2	70.5	77.4	83.3	89.7	92.8	95.6	96.9	97.2	98.4	99.2	99.2	99.2	99.3	99.7	99.8	99.9	100.0		

TOTAL NO. OF OPS : 5741

# 1 - SURFACE WINDS

043319 : AISUGI, JAPAN  
 PERIOD OF RECORD : 1951-1987  
 CLASS : ALL WEATHER  
 CONDITION : NONE SPECIFIED

LAT. : 35 27N LONG. : 139 27E ELEV. : 214 FT  
 MONTH : MAR  
 HOUR : 0000 LST

PERCENTAGE FREQUENCY OF WIND  
 DIRECTION VS SPEED  
 (FROM HOURLY OBSERVATIONS)

16 PT.		SPEED (KNOTS)																TOTAL		MEAN	
DIR.		1	2	3	4	5	6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	>56	%	WIND			
DIR.		1	2	3	4	5	6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	>56	%	SPEED			
N		7.3	13.4	11.7	3.9	.5	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	37.0	6.6			
NNE		2.2	5.9	4.4	1.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	13.7	6.4			
NE		.9	1.8	1.5	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	4.7	6.1			
ENE		.4	.6	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.3	5.0			
E		.3	.4	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.8	4.5			
ESE		.3	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.5	3.4			
SE		.2	.1	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.4	6.8			
SSE		.3	.0	.2	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.6	7.2			
S		1.2	.7	1.4	.6	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	4.4	8.2			
SSW		.3	.3	.7	.4	.3	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.2	10.1			
SW		.4	.6	.8	.8	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.9	9.0			
WSW		.5	.3	.2	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.1	4.7			
W		.2	.1	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.5	5.8			
WNW		.4	.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.9	3.6			
NW		.8	1.0	.3	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.3	4.9			
NNW		2.9	7.4	3.3	2.5	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	16.1	6.5			
VAR		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0			
CLM		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	10.6	.0			
ALL		18.7	33.5	25.2	10.2	1.6	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0	5.9			

TOTAL NO. OF OBS : 974

NOTES : \* = PERCENT < .05

# 1 - SURFACE WINDS

043319 : ATSUGI, JAPAN  
 PERIOD OF RECORD : 1951-1987  
 CLASS : ALL WEATHER  
 CONDITION : NONE SPECIFIED

LAT. : 35 27N LONG. : 139 27E ELEV. : 214 FT  
 MONTH : MAR  
 HOUR : 0300 LST

PERCENTAGE FREQUENCY OF WIND  
 DIRECTION VS SPEED  
 (FROM HOURLY OBSERVATIONS)

16 PT. DIR.		SPEED (KNOTS)														TOTAL %	MEAN WIND SPEED
		1 - 3	4 - 6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	>=56					
N	6.8	17.3	10.9	3.2	.4	.0	.0	.0	.0	.0	.0	.0	38.5	6.3			
NNE	2.5	4.4	4.5	1.3	.2	.0	.0	.0	.0	.0	.0	.0	12.9	6.6			
NE	1.2	2.2	1.0	.4	.0	.0	.0	.0	.0	.0	.0	.0	4.8	5.9			
ENE	.8	.3	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	1.2	3.4			
E	.4	.4	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.9	3.7			
ESE	.1	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.2	6.5			
SE	.1	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0	.2	11.5			
SSE	.0	.2	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.4	6.8			
S	.1	.5	.7	.7	.5	.1	.0	.0	.0	.0	.0	.0	2.7	11.5			
SSW	.1	.6	.7	.3	.0	.1	.0	.0	.0	.0	.0	.0	1.8	8.9			
SW	.3	.2	.5	.1	.0	.0	.0	.0	.0	.0	.0	.0	1.1	6.7			
WSW	.0	.2	.0	.2	.1	.0	.0	.0	.0	.0	.0	.0	.5	11.2			
W	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.4	2.8			
WNW	.4	.2	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	.8	5.5			
NW	1.6	1.2	.7	.2	.1	.0	.0	.0	.0	.0	.0	.0	3.9	5.3			
NNW	3.6	6.5	4.6	1.5	.2	.0	.1	.0	.0	.0	.0	.0	16.5	6.3			
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0			
CLM	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	12.8	.0			
ALL	18.5	34.2	24.0	8.4	1.6	.2	.1	.0	.0	.0	.0	.0	100.0	5.6			

TOTAL NO. OF OBS : 973

NOTES :  
 \* = PERCENT < .05

# 1 - SURFACE WINDS

043319 : ATSUGI, JAPAN LAT. : 35 27N LONG. : 139 27E ELEV. : 214 FT  
 PERIOD OF RECORD : 1951-1987 MONTH : MAR  
 CLASS : ALL WEATHER HOUR : 0600 LST  
 CONDITION : NONE SPECIFIED

PERCENTAGE FREQUENCY OF WIND  
 DIRECTION VS SPEED  
 (FROM HOURLY OBSERVATIONS)

SPEED (KNOTS)																TOTAL	MEAN	
>=56																		
DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	%	WIND						
N	7.4	17.3	12.1	4.7	.3	.1	.0	.0	.0	.0	41.8	6.4						
NNE	2.2	3.4	4.3	.6	.2	.0	.0	.0	.0	.0	10.7	6.4						
NE	1.6	1.5	.9	.3	.0	.0	.0	.0	.0	.0	4.2	5.1						
ENE	.5	.1	.4	.1	.0	.0	.0	.0	.0	.0	1.0	5.3						
E	.3	.4	.0	.0	.0	.0	.0	.0	.0	.0	.6	3.4						
ESE	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.1	5.0						
SE	.1	.1	.2	.0	.0	.1	.0	.0	.0	.0	.5	9.4						
SSE	.3	.2	.2	.1	.0	.0	.0	.0	.0	.0	.7	5.6						
S	.1	.3	.4	.4	.2	.1	.0	.1	.0	.0	1.5	12.6						
SSW	.2	.3	.7	.5	.5	.1	.0	.0	.0	.0	2.4	12.0						
SW	.1	.4	.2	.1	.1	.0	.0	.0	.0	.0	.8	7.4						
WSW	.3	.0	.0	.0	.0	.1	.0	.0	.0	.0	.4	7.3						
W	.4	.1	.1	.0	.0	.0	.0	.0	.0	.0	.5	3.3						
WNW	.4	.5	.0	.1	.0	.0	.0	.0	.0	.0	1.0	5.4						
NW	1.3	2.4	.3	.3	.1	.0	.0	.0	.0	.0	4.3	5.1						
NNW	4.1	6.9	3.7	2.1	.3	.0	.0	.0	.0	.0	17.1	6.1						
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0						
CLM	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	12.4	.0						
ALL	19.0	33.8	23.3	9.3	1.6	.5	.0	.1	.0	.0	100.0	5.7						

TOTAL NO. OF OBS : 1095

NOTES :  
 # = PERCENT < .05

# 1 - SURFACE WINDS

043319 : ATSUGI, JAPAN  
 PERIOD OF RECORD : 1951-1987  
 CLASS : ALL WEATHER  
 CONDITION : NONE SPECIFIED

LAT. : 35 27N LONG. : 139 27E ELEV. : 214 FT  
 MONTH : MAR  
 HOUR : 0900 LST

## PERCENTAGE FREQUENCY OF WIND DIRECTION VS SPEED (FROM HOURLY OBSERVATIONS)

SPEED (KNOTS)															
16 PT.	1	1-3	4	6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	>=56	TOTAL	MEAN
DIR.	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
N	1.9		6.9		16.5	7.1	.8	.1	.0	.0	.0	.0	.0	33.4	8.7
NNE	2.0		5.9		8.5	3.4	.1	.0	.0	.0	.0	.0	.0	20.0	7.5
NE	1.3		4.2		2.5	.8	.0	.0	.0	.0	.0	.0	.0	6.8	6.3
ENE	1.2		1.4		.2	.1	.0	.0	.0	.0	.0	.0	.0	2.9	4.2
E	1.3		.6		.1	.1	.0	.0	.0	.0	.0	.0	.0	2.1	3.7
ESE	.6		.3		.1	.0	.0	.0	.0	.0	.0	.0	.0	.9	3.2
SE	.7		.5		.0	.0	.0	.0	.0	.0	.0	.0	.0	1.2	3.0
SSE	1.0		.2		.2	.0	.0	.0	.0	.0	.0	.0	.0	1.4	3.3
S	1.1		.7		1.0	.5	.8	.1	.1	.0	.0	.0	.0	4.3	9.9
SSW	.2		.5		.9	.8	.2	.2	.0	.0	.0	.0	.0	2.0	10.8
SW	.3		.2		.4	.4	.5	.1	.0	.0	.0	.0	.0	1.6	11.6
WSW	.3		.0		.5	.1	.1	.0	.0	.0	.0	.0	.0	.9	8.3
W	.5		.0		.0	.1	.0	.0	.0	.0	.0	.0	.0	.6	3.5
WNW	.5		.4		.4	.1	.1	.0	.0	.0	.0	.0	.0	1.4	6.3
NW	.0		.4		.1	.5	.2	.0	.0	.0	.0	.0	.0	1.1	11.1
NNW	1.0		1.5		2.7	2.5	.6	.1	.0	.0	.0	.0	.0	8.3	9.4
VAR	.0		.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CLW	.0		.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	8.1	.0
ALL	13.9		23.6		34.0	16.5	3.3	.6	.1	.0	.0	.0	.0	100.0	7.3

TOTAL NO. OF OBS : 1081

NOTES :  
 \* = PERCENT < .05

# 1 - SURFACE WINDS

043319 : ATSUGI, JAPAN LAT. : 35 27N LONG. : 139 27E ELEV. : 214 FT  
 PERIOD OF RECORD : 1951-1987 MONTH : MAR  
 CLASS : ALL WEATHER HOUR : 1200 LST  
 CONDITION : NONE SPECIFIED

## PERCENTAGE FREQUENCY OF WIND DIRECTION VS SPEED (FROM HOURLY OBSERVATIONS)

		SPEED (KNOTS)																TOTAL	MEAN
16 PT. 1		1	-	3	4	-	6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	>=56	%		
DIR.																			SPEED
N	1.0			3.4			5.8	5.4		.8	.2		.0		.0	.0	16.7	9.6	
NNE	.9			4.6			5.2	3.9		.5	.0		.0		.0	.0	15.1	8.6	
NE	.7			2.4			2.7	1.0		.1	.0		.0		.0	.0	6.9	7.6	
ENE	1.0			2.2			1.3	.3		.0	.0		.0		.0	.0	4.8	5.7	
E	.9			2.5			1.0	.1		.0	.0		.0		.0	.0	4.5	5.3	
ESE	1.0			1.8			1.2	.0		.0	.0		.0		.0	.0	4.1	5.2	
SE	.8			1.4			.8	.1		.0	.0		.0		.0	.0	3.1	5.4	
SSE	.6			2.1			1.8	.7		.1	.0		.0		.0	.0	5.2	7.2	
S	1.3			3.2			5.0	4.1		1.0	.6		.0		.0	.0	15.2	9.8	
SSW	.7			1.2			2.5	3.1		.7	.3		.2		.0	.0	8.6	10.9	
SW	.5			.8			.3	.5		.7	.1		.0		.0	.0	2.9	11.0	
WSW	.2			.2			.5	.2		.0	.1		.0		.0	.0	1.1	8.6	
W	.1			.1			.3	.1		.0	.0		.0		.0	.0	.6	7.5	
WNW	.3			.3			.1	.2		.1	.0		.0		.0	.0	.9	7.3	
NW	.4			.1			.1	.2		.1	.0		.0		.0	.0	.8	7.8	
NNW	.7			.8			1.4	1.3		.8	.4		.0		.0	.0	5.3	10.8	
VAR	.0			.0			.0	.0		.0	.0		.0		.0	.0	.0	.0	
CLM	.0			.0			.0	.0		.0	.0		.0		.0	.0	4.2	.0	
ALL	11.0			27.0			30.1	21.0		4.8	1.6	.2	.1		.0	.0	100.0	8.3	

TOTAL NO. OF OBS : 1061

NOTES :  
 \* = PERCENT < .05

# 1 - SURFACE WINDS

043319 : ATSUGI, JAPAN  
 PERIOD OF RECORD : 1951-1987  
 CLASS : ALL WEATHER  
 CONDITION : NONE SPECIFIED

LAT. : 35 27N LONG. : 139 27E ELEV. : 214 FT  
 MONTH : MAR  
 HOUR : 1500 LST

PERCENTAGE FREQUENCY OF WIND  
 DIRECTION VS SPEED  
 (FROM HOURLY OBSERVATIONS)

16 PT.		SPEED (KNOTS)																TOTAL		MEAN	
DIR.		1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	>56	%			WIND	SPEED				
N		.5	2.2	4.9	4.1	.8	.3	.0	.0	.0	.0	.0	.0	12.8	10.2						
NNE		.6	2.3	3.1	1.9	.6	.2	.0	.0	.0	.0	.0	.0	8.5	9.4						
NE		.6	1.9	2.7	1.5	.1	.0	.0	.0	.0	.0	.0	.0	6.8	8.0						
ENE		.2	1.0	2.3	.3	.0	.0	.0	.0	.0	.0	.0	.0	3.8	7.6						
E		.9	2.3	2.1	.3	.1	.0	.0	.0	.0	.0	.0	.0	5.7	6.3						
ESE		.9	2.6	1.9	.2	.0	.0	.0	.0	.0	.0	.0	.0	5.6	6.0						
SE		.5	1.2	1.7	.3	.0	.0	.0	.0	.0	.0	.0	.0	3.6	6.7						
SSE		.2	1.6	2.9	1.4	.1	.2	.1	.0	.0	.0	.0	.0	6.4	9.2						
S		.4	2.6	8.4	8.9	1.8	.3	.0	.0	.0	.0	.0	.0	22.3	10.9						
SSW		.1	1.5	3.9	4.4	1.5	.6	.0	.0	.0	.0	.0	.0	11.9	11.9						
SW		.2	.8	.7	.6	.5	.5	.0	.0	.0	.0	.0	.0	3.3	11.9						
WSW		.1	.4	.6	.2	.0	.0	.0	.0	.0	.0	.0	.0	1.2	7.2						
W		.3	.1	.3	.2	.0	.0	.0	.0	.0	.0	.0	.0	.8	7.3						
WNW		.2	.3	.1	.3	.0	.0	.0	.0	.0	.0	.0	.0	.8	7.9						
NW		.1	.0	.3	.4	.1	.0	.0	.0	.0	.0	.0	.0	.8	11.7						
NNW		.3	.4	1.2	1.4	.3	.3	.0	.0	.0	.0	.0	.0	3.8	11.5						
VAR		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0						
CLM		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.9	.0						
ALL	5.9	21.1	36.9	26.1	5.7	2.2	.1	.0	.0	.0	.0	.0	.0	100.0	9.4						

TOTAL NO. OF OBS : 1080

NOTES :  
 \* = PERCENT < .05



# 1 - SURFACE WINDS

043319 : AITSUGI, JAPAN LAT. : 35 27N LONG. : 139 27E ELEV. : 214 FT  
 PERIOD OF RECORD : 1951-1987 MONTH : MAR  
 CLASS : ALL WEATHER HOUR : 1800 LST  
 CONDITION : NONE SPECIFIED

## PERCENTAGE FREQUENCY OF WIND DIRECTION VS SPEED (FROM HOURLY OBSERVATIONS)

16 PT.		SPEED (KNOTS)																TOTAL %		MEAN	
DIR.		1 - 3	4 - 6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	>56									
N	1.8	4.6	5.6	4.4	1.0	.3	.0	.0	.0	.0	.0	.0	17.7	9.0							
NNE	.6	3.0	4.2	2.6	.5	.2	.0	.0	.0	.0	.0	.0	11.2	9.1							
NE	.6	3.0	1.6	.9	.1	.0	.0	.0	.0	.0	.0	.0	6.3	7.0							
ENE	.5	1.4	1.2	.5	.0	.0	.0	.0	.0	.0	.0	.0	3.6	6.4							
E	.7	1.9	1.0	.4	.1	.0	.0	.0	.0	.0	.0	.0	4.1	6.0							
ESE	1.2	1.6	.6	.3	.0	.0	.0	.0	.0	.0	.0	.0	3.7	5.3							
SE	1.3	.6	.1	.2	.0	.0	.0	.0	.0	.0	.0	.0	2.2	3.9							
SSE	1.5	1.0	.7	.1	.1	.0	.0	.0	.0	.0	.0	.0	3.4	5.2							
S	3.0	5.3	5.2	2.3	.4	.1	.1	.0	.0	.0	.0	.0	16.4	7.2							
SSW	1.1	3.6	3.4	1.4	.6	.1	.1	.0	.0	.0	.0	.0	10.3	8.4							
SW	.9	1.4	1.1	.9	.2	.1	.0	.0	.0	.0	.0	.0	4.6	7.9							
WSW	1.0	.5	.5	.5	.1	.0	.0	.0	.0	.0	.0	.0	2.7	6.3							
W	.1	.1	.3	.1	.0	.1	.0	.0	.0	.0	.0	.0	.6	9.1							
WNW	.3	.4	.5	.3	.0	.0	.0	.0	.0	.0	.0	.0	1.4	7.2							
NW	.0	.2	.5	.2	.1	.0	.0	.0	.0	.0	.0	.0	.9	9.6							
NNW	.5	1.6	2.2	1.2	.1	.0	.0	.0	.0	.0	.0	.0	5.5	8.3							
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0							
CLM	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	5.5	.0							
ALL	15.2	30.2	28.8	16.0	3.3	.8	.2	.0	.0	.0	.0	.0	100.0	7.3							

TOTAL NO. OF OBS : 1091

NOTES :  
 \* = PERCENT < .05

# 1 - SURFACE WINDS

043319 : ATSUGI, JAPAN  
 PERIOD OF RECORD : 1951-1987  
 CLASS : ALL WEATHER  
 CONDITION : NONE SPECIFIED

LAT. : 35 27N LONG. : 139 27E ELEV. : 214 FT  
 MONTH : MAR  
 HOUR : 2100 LST

## PERCENTAGE FREQUENCY OF WIND DIRECTION VS SPEED (FROM HOURLY OBSERVATIONS)

16 PT. DIR.	SPEED (KNOTS)																TOTAL %	MEAN WIND SPEED
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	>=56							
N	3.2	9.4	10.2	5.3	.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	28.8	7.8
NNE	2.2	4.1	4.3	3.5	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	14.4	8.0
NE	1.0	1.9	1.9	.4	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	5.3	6.3
ENE	1.2	1.3	.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.1	4.8
E	1.0	1.6	1.3	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	4.1	5.6
ESE	.5	.4	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.0	4.0
SE	.5	.8	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.5	4.0
SSE	.5	.5	.1	.1	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.4	5.7
S	.6	1.9	1.6	.9	.3	.0	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	5.5	8.6
SSW	1.1	1.5	1.5	1.2	.3	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	5.5	8.1
SW	.5	1.3	1.0	.7	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.6	7.6
WSW	.3	.5	.5	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.4	6.1
W	.4	.5	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.0	4.1
WNW	.5	.4	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.2	4.8
NW	.5	1.5	.6	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.0	6.0
NNW	2.0	3.5	2.9	1.1	.3	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	9.9	7.0
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CLW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	9.4	.0
ALL	16.0	30.9	27.3	13.8	2.0	.4	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	100.0	6.5

TOTAL NO. OF OBS : 1103

NOTES :  
 \* = PERCENT < .05

# 1 - SURFACE WINDS

Q43319 : ATSUGI, JAPAN  
 PERIOD OF RECORD : 1951-1987  
 CLASS : ALL WEATHER  
 CONDITION : NONE SPECIFIED

LAT. : 35 27N LONG. : 139 27E ELEV. : 214 FT  
 MONTH : MAR  
 HOUR : ALL

## PERCENTAGE FREQUENCY OF WIND DIRECTION VS SPEED (FROM HOURLY OBSERVATIONS)

16 PT. DIR.	1	31	4	61	7-101	11-161	17-211	22-271	28-331	34-401	41-471	48-551	>=561	TOTAL %	MEAN WIND SPEED
N	3.7	9.2	9.7	4.8	2.3	.7	.3	.0*	.0	.0	.0	.0	.0	28.1	7.6
NNE	1.6	4.2	4.8	2.3	.7	.3	.0*	.0	.0	.0	.0	.0	.0	13.3	7.7
NE	1.0	2.4	1.9	.7	.0*	.0	.0	.0	.0	.0	.0	.0	.0	6.0	6.7
ENE	.7	1.0	.8	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.7	5.6
E	.7	1.3	.7	.1	.0*	.0	.0	.0	.0	.0	.0	.0	.0	2.9	5.4
ESE	.6	.9	.5	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.0	5.3
SE	.5	.6	.4	.1	.0*	.0	.0	.0	.0	.0	.0	.0	.0	1.6	5.4
SSE	.6	.7	.8	.3	.0*	.0	.0	.0	.0	.0	.0	.0	.0	2.5	7.0
S	1.0	1.9	3.0	2.3	.7	.2	.0*	.0	.0	.0	.0	.0	.0	9.2	9.5
SSW	.5	1.2	1.8	1.5	.5	.2	.0*	.0	.0	.0	.0	.0	.0	5.8	10.2
SW	.4	.7	.6	.5	.2	.1	.0	.0	.0	.0	.0	.0	.0	2.6	9.3
WSW	.3	.3	.4	.2	.0*	.0	.0	.0	.0	.0	.0	.0	.0	1.2	7.0
W	.3	.1	.2	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.6	5.6
WNW	.4	.4	.2	.1	.0*	.0	.0	.0	.0	.0	.0	.0	.0	1.1	6.0
NW	.6	.8	.4	.3	.1	.0	.0	.0	.0	.0	.0	.0	.0	2.1	6.4
NNW	1.8	3.5	2.7	1.7	.3	.1	.0*	.0	.0	.0	.0	.0	.0	10.2	7.4
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CLW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	8.1	.0
ALL	14.7	29.2	28.8	15.3	3.0	.6	.1	.0*	.0	.0	.0	.0	.0	100.0	7.0

TOTAL NO. OF OBS : 8458

NOTES :  
 # = PERCENT < .05

## 2 - CEILING VS VISIBILITY

043319 : ATSUGI, JAPAN  
PERIOD OF RECORD : 1951-1987  
CLASS : ALL WEATHER  
CONDITION : NONE SPECIFIED

LAT. : 35 27N LONG. : 139 27E ELEV. : 214 FT  
MONTH : MAR  
HOUR : 0000 LST

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

CEILING	VISIBILITY (STATUTE MILES)															
	>=10	>=6	>=5	>=4	>=3	>=2	1/2	>=2	1/4	>=1	>=3/4	>=5/8	>=1/2	>=5/16	>=1/4	>=0
UNLIMI.	34.6	46.0	48.2	51.1	53.7	54.1	54.9	54.9	54.9	55.1	55.1	55.1	55.1	55.1	55.1	55.4
>=20000	34.9	46.8	49.0	52.1	54.7	55.1	55.9	55.9	55.9	56.0	56.0	56.0	56.0	56.0	56.0	56.3
>=18000	34.9	46.8	49.0	52.2	54.8	55.2	56.0	56.0	56.0	56.2	56.2	56.2	56.2	56.2	56.2	56.5
>=16000	35.0	47.1	49.3	52.5	55.1	55.5	56.3	56.3	56.3	56.5	56.5	56.5	56.5	56.5	56.5	56.7
>=14000	35.2	47.4	49.6	52.9	55.5	55.9	56.7	56.7	56.7	56.9	56.9	56.9	56.9	56.9	56.9	57.1
>=12000	35.6	48.4	50.8	54.1	56.9	57.3	58.1	58.1	58.1	58.2	58.2	58.2	58.2	58.2	58.2	58.5
>=10000	36.3	49.7	52.2	55.5	58.4	58.8	59.6	59.6	59.6	59.8	59.8	59.8	59.8	59.8	59.8	60.0
>= 9000	36.3	49.9	52.3	55.6	58.7	59.1	59.9	59.9	59.9	60.0	60.0	60.0	60.0	60.0	60.0	60.3
>= 8000	37.2	51.8	54.3	57.6	60.9	61.3	62.1	62.1	62.1	62.2	62.2	62.2	62.2	62.2	62.2	62.5
>= 7000	37.8	52.5	54.9	58.4	61.7	62.2	63.0	63.0	63.0	63.2	63.2	63.2	63.2	63.2	63.2	63.5
>= 6000	38.7	54.1	57.0	60.6	63.9	64.4	65.2	65.2	65.2	65.4	65.4	65.4	65.4	65.4	65.4	65.7
>= 5000	42.0	58.8	62.0	65.8	69.4	69.9	70.7	70.7	70.7	70.9	70.9	70.9	70.9	70.9	70.9	71.2
>= 4500	43.8	61.7	65.2	69.5	73.2	73.8	74.6	74.7	74.7	74.9	74.9	74.9	74.9	74.9	74.9	75.1
>= 4000	44.6	64.6	68.7	72.9	76.8	77.5	78.4	78.7	78.7	78.8	78.8	78.8	78.8	78.8	78.8	79.1
>= 3500	45.5	66.3	70.7	75.1	79.4	80.1	81.2	81.5	81.5	81.6	81.6	81.6	81.6	81.6	81.6	81.9
>= 3000	46.3	67.9	72.8	77.6	82.3	83.1	84.2	84.5	84.5	84.8	84.8	84.8	84.8	84.8	84.8	85.2
>= 2500	46.4	69.1	74.3	79.7	84.3	85.3	86.7	87.0	87.0	87.4	87.4	87.4	87.4	87.4	87.4	87.8
>= 2000	46.7	70.6	76.5	82.0	87.1	88.3	89.8	90.2	90.2	90.8	90.8	90.8	90.8	90.8	90.8	91.2
>= 1800	47.1	71.6	77.5	83.0	88.2	89.4	91.1	91.5	91.5	92.0	92.0	92.0	92.0	92.0	92.0	92.4
>= 1500	47.1	71.6	77.6	83.5	89.4	90.8	92.6	93.3	93.3	93.8	93.8	94.0	94.1	94.1	94.1	94.4
>= 1200	47.3	71.7	77.7	83.7	90.0	91.6	93.5	94.2	94.2	94.8	94.8	94.9	95.1	95.1	95.1	95.3
>= 1000	47.5	72.0	78.2	84.2	90.9	92.6	94.8	95.6	95.6	96.2	96.4	96.4	96.6	96.6	96.6	96.8
>= 900	47.5	72.0	78.2	84.5	91.2	92.9	95.1	95.9	95.9	96.4	96.7	96.7	96.8	96.8	96.8	97.1
>= 800	47.5	72.0	78.2	84.5	91.3	93.0	95.2	96.0	96.0	96.7	97.0	97.0	97.1	97.1	97.1	97.4
>= 700	47.5	72.0	78.2	84.5	91.3	93.3	95.5	96.3	96.4	97.1	97.5	97.5	97.7	97.7	97.7	97.9
>= 600	47.5	72.0	78.2	84.5	91.5	93.4	95.6	96.4	96.6	97.4	97.9	97.9	98.1	98.1	98.1	98.4
>= 500	47.5	72.0	78.2	84.5	91.5	93.4	96.0	97.0	97.1	98.1	98.8	98.8	98.9	98.9	98.9	99.2
>= 400	47.5	72.0	78.2	84.5	91.5	93.5	96.3	97.3	97.5	98.5	99.2	99.2	99.3	99.3	99.3	99.6
>= 300	47.5	72.0	78.2	84.5	91.5	93.5	96.3	97.3	97.5	98.5	99.2	99.2	99.3	99.3	99.3	99.6
>= 200	47.5	72.0	78.2	84.5	91.5	93.7	96.4	97.4	97.7	98.6	99.5	99.5	99.6	99.6	99.6	99.9
>= 100	47.5	72.0	78.2	84.5	91.5	93.7	96.4	97.4	97.7	98.6	99.5	99.5	99.7	99.7	99.7	100.0
>= 0	47.5	72.0	78.2	84.5	91.5	93.7	96.4	97.4	97.7	98.6	99.5	99.5	99.7	99.7	99.7	100.0

TOTAL NO. OF OBS : 728

## 2 - CEILING VS VISIBILITY

043319 : AYSUGI, JAPAN  
 PERIOD OF RECORD : 1951-1987  
 CLASS : ALL WEATHER  
 CONDITION : NONE SPECIFIED

LAT. : 35 27N LONG. : 139 27E ELEV. : 214 FT  
 MONTH : MAR  
 HOUR : 0300 LST

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

CEILING	VISIBILITY (STATUTE MILES)																		
	>=10	>=6	>=5	>=4	>=3	>=2	1/2	>=2	>=1	1/2	>=1	1/4	>=1	>=3/4	>=5/8	>=1/2	>=5/16	>=1/4	>=0
UNLIMIT	35.5	46.1	49.0	51.6	54.2	54.4	54.8	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	55.0	55.0	55.0	55.2
>=20000	36.0	46.6	49.5	52.1	54.8	54.9	55.5	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.7	55.7	55.7	55.9
>=18000	36.0	46.6	49.5	52.1	54.8	54.9	55.5	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.7	55.7	55.7	55.9
>=16000	36.0	46.6	49.5	52.1	54.8	54.9	55.5	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.7	55.7	55.7	55.9
>=14000	36.2	47.2	50.1	52.8	55.5	55.6	56.2	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.4	56.4	56.4	56.6
>=12000	36.7	47.7	50.9	53.7	56.4	56.6	57.1	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.4	57.4	57.4	57.5
>=10000	37.6	49.4	52.7	55.5	58.4	58.5	59.1	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.3	59.3	59.3	59.5
>=9000	37.6	49.5	53.0	55.7	58.6	58.8	59.3	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.6	59.6	59.6	59.8
>=8000	38.6	51.2	54.8	57.7	60.7	60.9	61.4	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.7	61.7	61.7	61.8
>=7000	39.6	52.3	55.9	58.8	62.0	62.1	62.7	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.9	62.9	62.9	63.1
>=6000	40.2	53.4	57.1	60.2	63.3	63.5	64.0	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.3	64.3	64.3	64.5
>=5000	43.8	58.6	62.4	65.7	69.0	69.2	69.7	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	70.0	70.0	70.0	70.1
>=4500	46.5	62.0	66.3	69.6	72.9	73.0	73.6	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.9	73.9	73.9	74.0
>=4000	47.3	64.0	68.9	72.5	75.9	76.1	76.6	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.9	76.9	76.9	77.0
>=3500	48.5	66.4	71.5	75.2	78.8	79.0	79.5	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.8	79.8	79.8	79.9
>=3000	49.4	67.6	73.0	77.5	81.6	81.7	82.3	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.7	82.7	82.7	82.8
>=2500	50.5	70.4	76.2	81.1	85.8	86.0	86.6	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	87.0	87.0	87.1	87.3
>=2000	50.8	71.4	77.6	83.1	88.5	89.1	89.8	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	90.2	90.2	90.3	90.5
>=1800	50.9	71.6	78.4	84.0	89.3	90.0	90.9	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.4	91.4	91.6	91.7
>=1500	50.9	72.1	79.1	84.9	90.7	91.7	92.8	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.5	93.5	93.6	93.8
>=1200	50.9	72.1	79.1	84.9	91.0	92.1	93.2	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	94.2	94.2	94.3	94.5
>=1000	51.0	72.3	79.7	85.8	92.0	93.2	94.6	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.6	95.6	95.7	95.9
>=900	51.0	72.3	79.7	85.8	92.3	93.5	94.9	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.9	95.9	96.0	96.1
>=800	51.0	72.3	79.7	85.9	92.4	93.6	95.0	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	96.7	96.7	96.8	97.0
>=700	51.0	72.3	79.7	85.9	92.4	93.8	95.2	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	97.0	97.0	97.1	97.2
>=600	51.0	72.3	79.8	86.0	92.5	93.9	95.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	97.4	97.4	97.5	97.6
>=500	51.0	72.3	79.9	86.3	92.8	94.2	95.7	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	98.1	98.1	98.2	98.3
>=400	51.0	72.3	80.1	86.6	93.1	94.6	96.3	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	98.8	98.8	98.9	99.0
>=300	51.0	72.3	80.1	86.6	93.1	94.6	96.5	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	99.3	99.3	99.4	99.6
>=200	51.0	72.3	80.1	86.6	93.1	94.6	96.5	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	99.4	99.4	99.7	99.9
>=100	51.0	72.3	80.1	86.6	93.1	94.6	96.5	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	99.4	99.4	99.7	99.9
>=0	51.0	72.3	80.1	86.6	93.1	94.6	96.5	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	99.4	99.4	99.7	100.0

TOTAL NO. OF OBS : 723

## 2 - CEILING VS VISIBILITY

043319 : ATSUGI, JAPAN  
 PERIOD OF RECORD : 1951-1987  
 CLASS : ALL WEATHER  
 CONDITION : NONE SPECIFIED

LAT. : 35 27N LONG. : 139 27E ELEV. : 214 FT  
 MONTH : MAR  
 HOUR : 0600 LST

PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)

CEILING	VISIBILITY (STATUTE MILES)																	
	>=10	>=6	>=5	>=4	>=3	>=2	1/2	>=1	1/4	>=1	>=3/4	>=5/8	>=1/2	>=5/16	>=1/4	>=0		
UNLIMIT	31.8	43.7	47.2	50.8	54.1	55.5	56.6	57.0	57.0	57.1	57.1	57.3	57.4	57.5	57.5	57.5		
>=20000	32.5	44.7	48.4	52.1	55.5	56.9	58.0	58.4	58.4	58.6	58.6	58.8	58.9	59.0	59.0	59.0		
>=18000	32.5	44.7	48.4	52.3	55.6	57.0	58.1	58.5	58.5	58.9	58.9	59.0	59.1	59.3	59.3	59.3		
>=16000	32.5	44.9	48.5	52.4	55.8	57.1	58.3	58.6	58.6	59.0	59.0	59.1	59.3	59.4	59.4	59.4		
>=14000	32.6	45.1	48.7	52.8	56.3	57.6	58.8	59.1	59.1	59.5	59.5	59.5	59.8	59.9	59.9	59.9		
>=12000	33.3	46.2	49.9	53.9	57.5	58.9	60.0	60.4	60.4	60.8	60.8	60.9	61.0	61.2	61.2	61.2		
>=10000	33.8	47.6	51.3	55.3	59.0	60.4	61.7	62.0	62.0	62.4	62.4	62.5	62.7	62.8	62.8	62.9		
>= 9000	34.0	47.9	51.6	55.6	59.4	60.8	62.0	62.4	62.4	62.8	62.8	62.9	63.0	63.2	63.2	63.3		
>= 8000	34.6	48.7	52.6	56.9	60.8	62.2	63.4	63.8	63.8	64.2	64.2	64.3	64.4	64.5	64.7	64.7		
>= 7000	35.0	49.9	53.8	58.0	61.9	63.4	64.7	65.2	65.2	65.5	65.5	65.7	65.8	65.9	65.9	66.0		
>= 6000	35.3	50.9	54.8	59.0	62.9	64.4	65.7	66.2	66.2	66.5	66.5	66.7	66.8	66.9	66.9	67.0		
>= 5000	38.3	55.4	59.9	64.5	68.7	70.3	71.6	72.1	72.1	72.4	72.4	72.6	72.7	72.8	72.8	72.9		
>= 4500	40.2	57.6	62.2	67.2	71.4	73.1	74.3	74.8	74.8	75.3	75.3	75.4	75.6	75.7	75.7	75.8		
>= 4000	41.4	60.8	65.5	70.7	75.3	76.9	78.6	79.1	79.1	79.7	79.7	79.8	79.9	80.1	80.1	80.2		
>= 3500	43.1	63.2	68.2	73.6	78.3	80.1	81.8	82.3	82.3	83.1	83.1	83.2	83.3	83.5	83.5	83.6		
>= 3000	43.6	64.3	69.5	75.2	79.9	82.0	83.7	84.3	84.3	85.3	85.3	85.5	85.6	85.7	85.7	85.8		
>= 2500	43.9	64.8	70.3	76.1	80.8	83.0	85.1	85.7	85.7	86.7	86.7	86.8	87.0	87.1	87.1	87.2		
>= 2000	44.0	65.9	71.8	78.2	83.7	86.0	88.5	89.1	89.1	90.1	90.1	90.2	90.4	90.5	90.5	90.6		
>= 1800	44.0	66.4	72.4	78.8	84.5	86.7	89.3	90.1	90.1	91.1	91.1	91.2	91.4	91.5	91.5	91.6		
>= 1500	44.2	67.3	73.4	80.1	86.0	88.3	91.4	92.2	92.2	93.4	93.4	93.5	93.6	93.7	93.7	93.9		
>= 1200	44.2	67.3	73.8	80.5	86.3	88.8	92.1	93.1	93.1	94.2	94.2	94.4	94.5	94.6	94.6	94.7		
>= 1000	44.2	67.3	74.1	80.7	86.7	89.3	92.9	93.9	93.9	95.2	95.2	95.4	95.5	95.6	95.6	95.7		
>= 900	44.2	67.3	74.1	80.8	87.0	89.8	93.4	94.4	94.4	95.9	95.9	96.0	96.2	96.4	96.4	96.5		
>= 800	44.2	67.4	74.2	81.0	87.1	90.1	93.7	94.7	94.7	96.2	96.2	96.4	96.5	96.7	96.9	97.0		
>= 700	44.4	67.5	74.3	81.2	87.5	90.5	94.2	95.2	95.2	96.7	96.7	96.9	97.0	97.2	97.4	97.5		
>= 600	44.4	67.5	74.3	81.2	87.5	90.7	94.5	95.5	95.5	97.2	97.2	97.5	97.6	97.9	98.0	98.1		
>= 500	44.4	67.5	74.3	81.2	87.7	91.0	94.7	96.0	96.0	97.7	97.7	98.0	98.1	98.5	98.7	98.9		
>= 400	44.4	67.5	74.3	81.5	88.0	91.2	95.0	96.4	96.4	98.2	98.2	98.5	98.6	99.2	99.4	99.6		
>= 300	44.4	67.5	74.3	81.6	88.1	91.4	95.1	96.5	96.5	98.4	98.4	98.7	98.9	99.5	99.7	99.9		
>= 200	44.4	67.5	74.3	81.6	88.1	91.4	95.1	96.5	96.5	98.4	98.4	98.7	98.9	99.6	99.7	99.9		
>= 100	44.4	67.5	74.3	81.6	88.1	91.4	95.1	96.5	96.5	98.4	98.4	98.7	98.9	99.6	99.7	99.9		
>= 0	44.4	67.5	74.3	81.6	88.1	91.4	95.1	96.5	96.5	98.4	98.4	98.7	98.9	99.6	99.7	99.9		

TOTAL NO. OF OBS : 798

## 2 - CEILING VS VISIBILITY

043319 : ATSUGI, JAPAN  
 PERIOD OF RECORD : 1951-1987  
 CLASS : ALL WEATHER  
 CONDITION : NONE SPECIFIED

LAT. : 35 27N LONG. : 139 27E ELEV. : 214 FT  
 MONTH : MAR  
 HOUR : 0900 LST

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

CEILING	VISIBILITY (STATUTE MILES)																	
	>=10	>=6	>=5	>=4	>=3	>=2	1/2	>=1	1/2	>=1	1/4	>=1	>=3/4	>=5/8	>=1/2	>=5/16	>=1/4	>=0
UNLIMIT	28.5	41.2	45.1	49.0	52.2	54.1	54.7	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9
>=20000	29.3	43.2	47.6	51.4	54.7	56.6	57.4	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5
>=18000	29.4	43.5	47.8	51.7	55.1	57.0	57.8	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9
>=16000	29.4	43.6	48.0	51.8	55.2	57.2	57.9	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2
>=14000	29.5	43.9	48.3	52.4	55.9	57.8	58.7	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0
>=12000	30.1	45.3	50.1	54.3	58.2	60.5	61.5	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8
>=10000	30.7	46.4	51.8	56.0	59.8	62.1	63.3	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6
>= 9000	30.8	47.1	52.4	56.6	60.6	62.9	64.1	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3
>= 8000	30.9	47.4	53.1	57.5	61.6	63.9	65.1	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5
>= 7000	31.6	48.5	54.3	59.1	63.4	65.9	67.0	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4
>= 6000	32.5	49.9	55.9	60.6	65.1	67.5	68.7	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1
>= 5000	33.6	53.1	59.8	64.8	69.8	72.3	73.4	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8
>= 4500	34.4	55.4	62.7	68.0	73.5	76.0	77.1	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5
>= 4000	35.5	58.4	66.4	71.9	77.4	80.1	81.2	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7
>= 3500	36.3	60.1	68.2	73.7	79.5	82.4	83.6	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1
>= 3000	36.4	61.1	69.4	75.4	81.5	84.5	85.9	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6
>= 2500	36.6	61.8	70.2	76.3	82.6	86.4	88.2	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9
>= 2000	36.8	62.4	71.2	77.5	84.1	88.0	90.2	90.9	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0
>= 1800	36.8	62.8	71.6	77.9	84.5	88.5	90.7	91.4	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6
>= 1500	36.8	63.3	72.1	78.9	85.8	90.0	92.2	93.0	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2
>= 1200	36.8	63.6	72.4	79.2	86.3	90.7	93.1	93.9	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4
>= 1000	37.0	63.8	72.6	79.5	87.0	91.4	94.1	94.9	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4
>= 900	37.0	63.8	72.6	79.8	87.2	91.9	94.6	95.4	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9
>= 800	37.0	63.8	72.6	79.8	87.2	91.9	94.6	95.4	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9
>= 700	37.0	63.8	72.6	79.8	87.2	91.9	94.8	95.7	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2
>= 600	37.0	63.9	72.9	80.2	87.6	92.5	95.3	96.3	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
>= 500	37.0	63.9	72.9	80.2	87.6	92.7	95.9	96.9	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
>= 400	37.0	64.1	73.0	80.3	87.7	92.8	96.0	97.1	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6
>= 300	37.0	64.1	73.0	80.3	87.7	92.8	96.0	97.2	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
>= 200	37.0	64.1	73.0	80.3	87.7	92.8	96.0	97.2	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
>= 100	37.0	64.1	73.0	80.3	87.7	92.8	96.0	97.2	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
>= 0	37.0	64.1	73.0	80.3	87.7	92.8	96.0	97.2	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7

TOTAL NO. OF OBS : 782

## 2 - CEILING VS VISIBILITY

043319 : AYSUGI, JAPAN  
 PERIOD OF RECORD : 1951-1987  
 CLASS : ALL WEATHER  
 CONDITION : NONE SPECIFIED

LAT. : 35 27N LONG. : 139 27E ELEV. : 214 FT  
 MONTH : MAR  
 HOUR : 1200 LST

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

CEILING	VISIBILITY (STATUTE MILES)															
	>=10	>=6	>=5	>=4	>=3	>=2	1/2	>=2	1/2	>=1	1/2	>=1	1/4	>=1/2	>=5/8	>=1/4
UNLIMIT	34.9	49.5	51.8	53.3	56.0	56.0	56.1	56.1	56.1	56.4	56.5	56.5	56.5	56.7	56.7	56.7
>=20000	35.4	50.9	53.3	54.7	57.4	57.4	57.6	57.6	57.6	57.8	58.0	58.0	58.0	58.1	58.1	58.1
>=18000	35.4	51.0	53.4	54.8	57.6	57.6	57.7	57.7	57.7	58.0	58.1	58.1	58.1	58.2	58.2	58.2
>=16000	35.5	51.3	53.7	55.1	58.0	58.0	58.1	58.1	58.1	58.4	58.5	58.5	58.5	58.6	58.6	58.6
>=14000	35.9	52.1	54.4	56.0	58.9	58.9	59.0	59.0	59.0	59.4	59.5	59.5	59.5	59.7	59.7	59.7
>=12000	36.2	52.7	55.1	57.0	60.1	60.2	60.3	60.3	60.3	60.7	60.8	60.8	60.8	61.0	61.0	61.0
>=10000	36.3	54.2	56.7	58.6	62.0	62.1	62.3	62.3	62.3	62.7	62.8	62.8	62.8	63.1	63.1	63.1
>=8000	36.6	54.6	57.4	59.4	62.8	62.9	63.1	63.1	63.1	63.4	63.6	63.6	63.6	63.8	63.8	63.8
>=6000	36.9	55.4	58.6	61.0	64.6	65.0	65.1	65.1	65.1	65.5	65.7	65.7	65.7	66.1	66.1	66.1
>=4000	37.5	56.0	59.4	61.7	65.4	65.8	65.9	65.9	65.9	66.3	66.4	66.4	66.4	66.8	66.8	66.8
>=3000	37.9	56.5	60.3	62.8	66.4	66.8	67.1	67.1	67.1	67.5	67.6	67.6	67.6	68.0	68.0	68.0
>=2000	38.9	59.4	64.1	67.1	71.1	71.9	72.6	72.6	72.6	73.0	73.1	73.1	73.1	73.5	73.5	73.5
>=1800	39.8	61.4	66.3	69.7	74.2	74.9	75.6	75.6	75.6	76.1	76.2	76.2	76.2	76.6	76.6	76.6
>=1600	41.0	64.2	69.6	73.4	78.1	79.0	79.8	79.8	79.8	80.3	80.4	80.4	80.4	80.8	80.8	80.8
>=1400	41.5	65.7	71.3	75.5	80.3	81.2	82.0	82.0	82.0	82.5	82.6	82.6	82.6	83.2	83.2	83.2
>=1200	42.2	67.2	73.4	78.2	83.7	85.0	86.0	86.0	86.0	86.6	86.7	86.7	86.7	87.3	87.3	87.3
>=1000	42.2	67.8	74.0	79.0	84.9	86.4	87.5	87.5	87.5	88.0	88.3	88.3	88.3	88.9	88.9	88.9
>=800	42.2	68.4	74.8	80.3	86.6	88.6	90.1	90.3	90.3	90.9	91.1	91.1	91.1	91.8	91.8	91.8
>=600	42.2	68.7	75.5	81.2	87.9	90.2	91.6	92.0	92.0	92.6	93.1	93.1	93.1	94.0	94.0	94.0
>=400	42.3	69.2	76.1	81.9	88.3	90.7	92.2	92.6	93.1	93.7	94.1	94.1	94.1	94.8	94.8	94.8
>=300	42.3	69.2	76.2	82.0	88.8	91.4	93.1	93.5	94.0	94.8	95.4	95.4	95.4	96.0	96.0	96.0
>=200	42.3	69.3	76.5	82.4	89.4	92.2	94.1	94.8	95.3	96.1	96.5	96.5	96.5	97.3	97.3	97.3
>=100	42.3	69.5	76.6	82.6	89.7	92.6	94.5	95.2	95.7	96.5	96.8	96.8	96.8	97.9	97.9	97.9
>=50	42.3	69.5	76.6	82.8	89.9	93.0	95.4	96.3	96.9	97.7	98.1	98.1	98.1	99.2	99.2	99.2
>=30	42.3	69.5	76.6	82.8	89.9	93.0	95.6	96.5	97.0	97.8	98.3	98.3	98.3	99.5	99.5	99.5
>=20	42.3	69.5	76.6	82.8	89.9	93.0	95.6	96.6	97.1	97.9	98.5	98.5	98.5	99.6	99.6	99.6
>=10	42.3	69.5	76.6	82.8	89.9	93.0	95.6	96.6	97.1	97.9	98.5	98.5	98.5	99.7	99.7	99.7
>=5	42.3	69.5	76.6	82.8	89.9	93.0	95.6	96.6	97.1	97.9	98.5	98.5	98.5	99.7	99.7	99.7
>=2	42.3	69.5	76.6	82.8	89.9	93.0	95.6	96.6	97.1	97.9	98.5	98.5	98.5	99.7	99.7	99.7
>=1	42.3	69.5	76.6	82.8	89.9	93.0	95.6	96.6	97.1	97.9	98.5	98.5	98.5	99.7	99.7	99.7

TOTAL NO. OF OBS : 766



## 2 - CEILING VS VISIBILITY

043319 : ATSUGI, JAPAN  
 PERIOD OF RECORD : 1951-1987  
 CLASS : ALL WEATHER  
 CONDITION : NONE SPECIFIED

LAT. : 35 27N LONG. : 139 27E ELEV. : 214 FT  
 MONTH : MAR  
 HOUR : 1500 LST

PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)

CEILING	VISIBILITY (STATUTE MILES)															
	>=10	>=6	>=5	>=4	>=3	>=2	1/2	>=1	1/2	>=1	1/4	>=1/4	>=5/16	>=1/2	>=5/8	>=1
UNLIMIT	29.7	43.7	46.5	48.1	49.6	49.7	50.0	50.0	50.1	50.3	50.3	50.3	50.4	50.4	50.4	50.4
>=20000	30.4	46.0	48.8	50.4	51.9	52.0	52.4	52.6	52.6	52.8	52.8	52.8	53.0	53.0	53.0	53.0
>=18000	30.5	46.4	49.3	50.9	52.4	52.6	53.0	53.0	53.1	53.4	53.4	53.4	53.5	53.5	53.5	53.5
>=16000	30.5	46.5	49.5	51.1	52.7	52.8	53.2	53.2	53.4	53.6	53.6	53.6	53.8	53.8	53.8	53.8
>=14000	30.6	47.3	50.3	51.9	53.6	53.8	54.2	54.2	54.3	54.6	54.6	54.6	54.7	54.7	54.7	54.7
>=12000	31.0	48.8	51.9	53.5	55.2	55.4	55.8	55.8	56.0	56.3	56.3	56.3	56.5	56.5	56.5	56.5
>=10000	31.2	50.0	53.1	54.8	57.0	57.1	57.5	57.5	57.8	58.2	58.2	58.2	58.3	58.3	58.3	58.3
>= 9000	31.3	50.4	53.8	55.5	57.7	57.8	58.2	58.3	58.6	59.0	59.0	59.0	59.1	59.1	59.1	59.1
>= 8000	31.3	50.9	54.8	57.0	59.1	59.3	59.7	59.8	60.1	60.5	60.5	60.5	60.6	60.6	60.6	60.6
>= 7000	32.1	51.9	55.8	58.1	60.2	60.6	61.0	61.2	61.4	61.8	62.0	62.0	62.1	62.1	62.1	62.1
>= 6000	32.9	53.9	57.9	60.5	62.8	63.3	63.8	64.1	64.1	64.5	64.7	64.7	64.8	64.8	64.8	64.8
>= 5000	35.2	58.2	62.5	65.7	68.5	69.1	69.8	70.2	70.2	70.7	70.8	70.8	71.0	71.0	71.0	71.0
>= 4500	36.0	61.0	66.3	69.9	72.8	73.5	74.3	74.5	74.7	75.3	75.4	75.4	75.5	75.5	75.5	75.5
>= 4000	37.0	63.3	68.8	72.7	76.3	77.2	78.1	78.4	78.6	79.2	79.3	79.3	79.4	79.4	79.4	79.4
>= 3500	37.2	64.7	70.4	74.6	78.4	79.3	80.5	80.8	81.0	81.6	81.7	81.7	81.9	81.9	81.9	81.9
>= 3000	38.0	66.1	72.3	76.7	80.8	82.0	83.5	83.7	84.0	84.5	84.7	84.7	84.8	84.8	84.8	84.8
>= 2500	38.3	66.7	73.1	78.1	82.4	83.9	85.6	86.0	86.3	86.8	87.0	87.0	87.1	87.1	87.1	87.1
>= 2000	38.4	66.9	73.7	78.6	83.1	84.8	87.1	87.5	87.8	88.3	88.4	88.4	88.6	88.6	88.6	88.6
>= 1800	38.4	67.1	73.9	79.0	83.7	85.5	87.9	88.3	88.6	89.1	89.2	89.2	89.4	89.4	89.4	89.4
>= 1500	38.4	67.5	74.7	80.2	85.3	87.5	90.2	90.9	91.1	91.7	91.8	91.8	91.9	91.9	91.9	91.9
>= 1200	38.6	68.3	75.5	81.5	87.1	89.4	92.2	92.9	93.1	93.8	94.1	94.1	94.2	94.2	94.2	94.2
>= 1000	38.6	68.4	75.9	82.0	87.8	90.1	93.1	93.8	94.1	95.0	95.4	95.4	95.6	95.6	95.6	95.6
>= 900	38.6	68.4	75.9	82.3	88.3	90.7	93.8	94.5	94.8	95.7	96.2	96.2	96.5	96.5	96.5	96.5
>= 800	38.6	68.4	75.9	82.5	88.8	91.5	94.8	95.7	96.0	96.9	97.6	97.6	97.8	97.8	97.8	97.8
>= 700	38.6	68.4	75.9	82.7	89.1	91.8	95.2	96.2	96.5	97.4	98.1	98.1	98.4	98.4	98.4	98.4
>= 600	38.6	68.4	75.9	82.8	89.2	91.9	95.3	96.5	96.8	97.7	98.5	98.5	98.9	98.9	98.9	98.9
>= 500	38.6	68.4	75.9	82.8	89.2	91.9	95.4	96.6	97.0	98.0	98.8	98.8	99.1	99.2	99.2	99.2
>= 400	38.6	68.4	75.9	82.8	89.2	92.1	95.8	97.0	97.4	98.4	99.5	99.5	100.0	100.0	100.0	100.0
>= 300	38.6	68.4	75.9	82.8	89.2	92.1	95.8	97.0	97.4	98.4	99.5	99.5	100.0	100.0	100.0	100.0
>= 200	38.6	68.4	75.9	82.8	89.2	92.1	95.8	97.0	97.4	98.4	99.5	99.5	100.0	100.0	100.0	100.0
>= 100	38.6	68.4	75.9	82.8	89.2	92.1	95.8	97.0	97.4	98.4	99.5	99.5	100.0	100.0	100.0	100.0
>= 0	38.6	68.4	75.9	82.8	89.2	92.1	95.8	97.0	97.4	98.4	99.5	99.5	100.0	100.0	100.0	100.0

TOTAL NO. OF OBS : 744

## 2 - CEILING VS VISIBILITY

043319 : AYSUGI, JAPAN  
 PERIOD OF RECORD : 1951-1987  
 CLASS : ALL WEATHER  
 CONDITION : NONE SPECIFIED

LAT. : 35 27N LONG. : 139 27E ELEV. : 214 FT  
 MONTH : MAR  
 HOUR : 1800 LST

PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)

CEILING	VISIBILITY (STATUTE MILES)																	
	>=10	>=6	>=5	>=4	>=3	>=2	1/2	>=1	1/2	>=1	1/4	>=1	>=3/4	>=5/8	>=1/2	>=5/16	>=1/4	>=0
UNLIMIT	24.2	39.7	44.7	47.8	50.3	51.2	52.3	52.3	52.4	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8
>=20000	24.3	40.5	45.6	48.9	51.5	52.4	53.5	53.5	53.6	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0
>=18000	24.3	40.5	45.6	48.9	51.5	52.4	53.5	53.5	53.6	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0
>=16000	24.4	40.7	45.9	49.1	51.9	52.8	53.9	53.9	54.0	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4
>=14000	24.6	41.3	46.4	49.8	52.7	53.6	54.7	54.7	54.8	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2
>=12000	24.6	41.8	47.0	50.6	53.6	54.5	55.7	55.7	55.8	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4
>=10000	25.0	43.2	48.5	52.4	55.6	56.6	57.8	57.8	58.0	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5
>=9000	25.1	43.5	49.1	53.1	56.2	57.4	58.6	58.6	58.7	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3
>=8000	25.2	44.0	49.8	54.0	57.8	59.1	60.6	60.7	60.8	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4
>=7000	25.4	44.7	50.5	54.8	58.6	59.9	61.5	61.6	61.8	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3
>=6000	25.6	45.7	51.5	55.8	59.9	61.2	63.1	63.2	63.3	63.9	63.9	63.9	63.9	63.9	64.0	64.0	64.0	64.0
>=5000	26.1	47.8	54.9	59.5	64.4	66.2	68.2	68.5	68.6	69.3	69.3	69.3	69.3	69.3	69.4	69.4	69.4	69.4
>=4500	26.8	50.5	58.3	63.7	69.3	71.6	73.7	74.0	74.1	74.8	74.8	74.8	74.8	74.8	74.9	74.9	74.9	74.9
>=4000	27.2	51.9	60.3	66.2	72.5	75.3	77.5	78.1	78.2	78.8	78.8	78.8	78.8	78.8	79.0	79.0	79.0	79.0
>=3500	27.6	52.8	61.5	67.7	74.0	76.9	79.5	80.0	80.2	80.8	80.8	80.8	80.8	80.8	80.9	80.9	80.9	80.9
>=3000	27.9	53.9	62.7	69.1	75.8	79.5	82.8	83.8	84.0	84.8	84.8	84.8	84.8	84.8	84.9	84.9	84.9	84.9
>=2500	27.9	54.4	63.5	70.0	76.9	80.8	84.2	85.8	85.9	86.7	86.7	86.7	86.7	86.7	87.0	87.0	87.0	87.0
>=2000	27.9	55.1	64.1	71.0	78.1	82.3	85.9	87.5	87.6	88.6	88.6	88.6	88.6	88.6	88.8	88.8	88.8	88.8
>=1800	27.9	55.2	64.3	71.1	78.3	82.8	86.6	88.3	88.4	89.4	89.4	89.4	89.4	89.4	89.6	89.6	89.6	89.6
>=1500	27.9	55.6	65.0	72.1	79.6	84.2	88.6	90.4	90.5	91.9	92.0	92.0	92.0	92.0	92.4	92.4	92.4	92.4
>=1200	27.9	55.6	65.0	72.1	79.6	84.6	89.0	91.1	91.3	92.6	92.6	92.6	92.6	92.6	93.3	93.3	93.3	93.3
>=1000	27.9	56.0	65.6	72.7	80.3	85.5	89.9	92.0	92.2	94.0	94.0	94.0	94.0	94.0	94.7	94.7	94.7	94.7
>=900	27.9	56.0	65.6	72.7	80.3	85.7	90.0	92.2	92.5	94.3	94.3	94.3	94.3	94.3	95.1	95.1	95.1	95.1
>=800	27.9	56.0	65.6	72.9	80.6	86.1	90.8	93.3	93.6	95.5	95.5	95.5	95.5	95.5	96.2	96.2	96.2	96.2
>=700	27.9	56.0	65.7	73.2	80.8	86.3	91.1	93.6	93.8	95.9	95.9	95.9	95.9	95.9	96.7	96.7	96.7	96.7
>=600	27.9	56.0	65.7	73.2	80.8	86.3	91.2	93.7	94.0	96.1	96.1	96.1	96.1	96.1	97.4	97.4	97.4	97.4
>=500	27.9	56.0	65.7	73.2	80.8	86.3	91.3	94.0	94.2	96.7	96.7	96.7	96.7	96.7	97.9	97.9	97.9	97.9
>=400	27.9	56.0	65.7	73.2	80.8	86.5	91.5	94.2	94.5	97.2	97.2	97.2	97.2	97.2	99.2	99.2	99.2	99.2
>=300	27.9	56.0	65.7	73.2	80.8	86.5	91.5	94.2	94.5	97.2	97.2	97.2	97.2	97.2	99.9	99.9	99.9	99.9
>=200	27.9	56.0	65.7	73.2	80.8	86.5	91.5	94.2	94.5	97.2	97.2	97.2	97.2	97.2	99.9	99.9	99.9	99.9
>=100	27.9	56.0	65.7	73.2	80.8	86.5	91.5	94.2	94.5	97.2	97.2	97.2	97.2	97.2	99.9	99.9	99.9	99.9
>=0	27.9	56.0	65.7	73.2	80.8	86.5	91.5	94.2	94.5	97.2	97.2	97.2	97.2	97.2	99.9	99.9	99.9	99.9

TOTAL NO. OF OBS : 761

## 2 - CEILING VS VISIBILITY

043319 : ATSUGI, JAPAN  
PERIOD OF RECORD : 1951-1987  
CLASS : ALL WEATHER  
CONDITION : NONE SPECIFIED

LAT. : 35 27N LONG. : 139 27E ELEV. : 214 FT  
MONTH : MAR  
HOUR : 2100 LST

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

CEILING	VISIBILITY (STATUTE MILES)															
	>=10	>=6	>=5	>=4	>=3	>=2	1/2	>=2	1/2	>=1	1/2	>=1	1/4	>=1	1/4	>=0
UNLIMIT	34.8	47.7	50.5	52.7	56.5	56.8	57.2	57.8	57.9	58.0	58.1	58.1	58.1	58.1	58.1	58.3
>=20000	34.8	48.3	51.2	53.4	57.4	57.8	58.1	58.7	58.8	58.9	59.0	59.0	59.0	59.0	59.0	59.2
>=18000	34.8	48.3	51.2	53.4	57.4	57.8	58.1	58.7	58.8	58.9	59.0	59.0	59.0	59.0	59.0	59.2
>=16000	34.8	48.6	51.4	53.6	57.6	58.1	58.5	59.0	59.2	59.3	59.4	59.4	59.4	59.4	59.4	59.6
>=14000	35.3	49.2	52.2	54.5	58.5	59.2	59.6	60.1	60.2	60.3	60.5	60.5	60.5	60.5	60.5	60.6
>=12000	35.5	49.7	52.7	55.2	59.2	59.8	60.2	60.7	60.9	61.0	61.1	61.1	61.1	61.1	61.1	61.2
>=10000	35.9	51.0	54.1	56.6	60.9	61.5	62.0	62.5	62.7	62.8	62.9	62.9	62.9	62.9	62.9	63.0
>=9000	36.3	51.7	54.8	57.2	61.5	62.1	62.7	63.2	63.3	63.4	63.6	63.6	63.6	63.6	63.6	63.7
>=8000	36.6	52.8	56.3	58.8	63.4	64.1	64.6	65.1	65.2	65.4	65.5	65.5	65.5	65.5	65.5	65.6
>=7000	37.2	53.6	57.1	59.7	64.5	65.1	65.6	66.1	66.3	66.4	66.5	66.5	66.5	66.5	66.5	66.7
>=6000	37.6	54.3	57.9	60.5	65.4	66.0	66.5	67.1	67.2	67.3	67.4	67.4	67.4	67.4	67.4	67.6
>=5000	38.9	57.4	61.8	64.3	70.0	70.7	71.2	71.7	71.8	72.0	72.1	72.1	72.1	72.1	72.1	72.2
>=4500	40.4	60.2	64.9	68.0	73.8	74.4	74.9	75.5	75.6	75.7	75.8	75.8	75.8	75.8	75.8	76.0
>=4000	41.5	62.8	67.7	71.2	77.1	77.9	78.4	78.9	79.1	79.3	79.5	79.5	79.5	79.5	79.5	79.6
>=3500	42.4	64.2	69.8	73.3	79.2	80.2	81.0	81.7	81.8	82.0	82.2	82.2	82.2	82.2	82.2	82.3
>=3000	42.8	65.4	70.9	74.8	81.3	82.3	83.2	84.1	84.2	84.5	84.6	84.6	84.6	84.6	84.6	84.8
>=2500	43.0	66.8	73.1	77.0	84.1	85.7	86.8	87.9	88.0	88.5	88.6	88.6	88.6	88.6	88.6	88.8
>=2000	43.0	67.6	74.3	78.4	85.7	87.7	89.1	90.4	90.6	91.1	91.2	91.2	91.2	91.2	91.2	91.3
>=1800	43.0	67.7	74.4	78.7	86.0	88.2	89.7	91.1	91.2	91.7	91.9	91.9	91.9	91.9	91.9	92.0
>=1500	43.3	68.5	75.5	80.0	87.5	89.8	91.3	92.8	92.9	93.4	93.5	93.5	93.5	93.5	93.5	93.7
>=1200	43.5	68.7	75.7	80.7	88.5	91.0	92.6	94.1	94.2	94.7	94.8	94.8	94.8	94.8	94.8	95.0
>=1000	43.7	68.9	75.8	81.1	89.3	91.7	93.9	95.5	95.6	96.1	96.4	96.5	96.5	96.5	96.5	96.6
>=900	43.7	68.9	75.8	81.1	89.4	91.9	94.1	95.6	95.7	96.3	96.5	96.5	96.6	96.6	96.6	96.8
>=800	43.7	69.1	76.1	81.4	89.9	92.4	94.6	96.1	96.3	96.9	97.2	97.2	97.4	97.4	97.4	97.5
>=700	43.7	69.1	76.2	81.5	90.2	92.6	95.1	96.8	96.9	97.5	97.8	97.8	98.1	98.1	98.1	98.2
>=600	43.7	69.1	76.2	81.5	90.2	92.6	95.5	97.2	97.3	97.9	98.2	98.4	98.4	98.4	98.4	98.6
>=500	43.7	69.1	76.2	81.5	90.2	92.6	95.6	97.5	97.7	98.4	98.7	99.0	99.0	99.0	99.0	99.1
>=400	43.7	69.1	76.2	81.5	90.2	92.6	95.6	97.5	97.7	98.6	99.0	99.2	99.2	99.2	99.2	99.4
>=300	43.7	69.1	76.2	81.5	90.2	92.6	95.6	97.5	97.7	98.6	99.0	99.2	99.2	99.2	99.2	99.4
>=200	43.7	69.1	76.2	81.5	90.2	92.6	95.7	97.7	97.8	98.7	99.2	99.4	99.7	99.7	99.7	99.9
>=100	43.7	69.1	76.2	81.5	90.2	92.6	95.7	97.7	97.8	98.7	99.2	99.4	99.7	99.7	99.7	100.0
>=0	43.7	69.1	76.2	81.5	90.2	92.6	95.7	97.7	97.8	98.7	99.2	99.4	99.7	99.7	99.7	100.0

TOTAL NO. OF OBS : 774

043319 : ATSUGI, JAPAN  
 PERIOD OF RECORD : 1951-1987  
 CLASS : ALL WEATHER  
 CONDITION : NONE SPECIFIED

LAT. : 35 27N LONG. : 139 27E ELEV. : 214 FT  
 MONTH : MAR  
 HOUR : ALL

PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)

CEILING	VISIBILITY (STATUTE MILES)											
	>=10	>=6	>=5	>=4	>=3	>=2	1/2	>=2	>=1	1/4	>=1/2	>=1/4
UNLIMIT	31.7	44.7	47.9	50.5	53.3	54.0	54.6	54.8	54.9	55.0	55.0	55.1
>=20000	32.1	45.9	49.2	51.9	54.8	55.4	56.1	56.2	56.3	56.5	56.5	56.6
>=18000	32.2	46.0	49.3	52.0	54.9	55.6	56.3	56.4	56.5	56.7	56.7	56.8
>=16000	32.2	46.1	49.5	52.2	55.2	55.8	56.5	56.7	56.7	56.9	57.0	57.0
>=14000	32.5	46.7	50.0	52.9	55.9	56.6	57.3	57.4	57.5	57.7	57.8	57.9
>=12000	32.8	47.6	51.1	54.0	57.2	57.9	58.6	58.8	58.9	59.1	59.2	59.3
>=10000	33.3	48.9	52.5	55.6	58.9	59.7	60.5	60.6	60.7	61.0	61.1	61.2
>=9000	33.5	49.3	53.1	56.1	59.5	60.3	61.0	61.2	61.3	61.6	61.7	61.8
>=8000	33.9	50.3	54.3	57.6	61.1	62.0	62.8	63.0	63.1	63.3	63.5	63.6
>=7000	34.5	51.1	55.2	58.6	62.2	63.2	64.0	64.2	64.3	64.5	64.7	64.8
>=6000	35.1	52.3	56.5	60.0	63.7	64.7	65.5	65.8	65.9	66.1	66.2	66.3
>=5000	37.1	56.0	60.9	64.7	68.9	70.0	70.9	71.2	71.3	71.5	71.6	71.7
>=4500	38.4	58.7	64.0	68.2	72.6	73.8	74.8	75.0	75.2	75.5	75.6	75.7
>=4000	39.4	61.2	67.0	71.4	76.2	77.5	78.6	78.9	79.1	79.4	79.5	79.6
>=3500	40.2	62.9	68.9	73.6	78.5	79.9	81.2	81.5	81.7	82.0	82.1	82.2
>=3000	40.8	64.1	70.5	75.5	80.8	82.5	84.0	84.5	84.6	85.0	85.1	85.2
>=2500	41.0	65.1	71.8	77.1	82.7	84.7	86.3	86.9	87.1	87.6	87.7	87.8
>=2000	41.1	66.0	72.9	78.6	84.5	86.8	88.7	89.4	89.5	90.1	90.2	90.3
>=1800	41.2	66.3	73.4	79.0	85.1	87.5	89.5	90.3	90.4	91.0	91.1	91.2
>=1500	41.3	66.7	74.1	80.1	86.5	89.1	91.3	92.2	92.4	93.0	93.2	93.4
>=1200	41.3	67.0	74.3	80.5	87.1	89.8	92.2	93.2	93.4	94.1	94.3	94.5
>=1000	41.4	67.2	74.7	80.9	87.8	90.6	93.3	94.3	94.5	95.3	95.6	95.8
>=900	41.4	67.2	74.7	81.1	88.0	90.9	93.6	94.6	94.8	95.7	96.1	96.3
>=800	41.4	67.2	74.8	81.2	88.3	91.3	94.1	95.2	95.4	96.4	96.8	97.1
>=700	41.5	67.3	74.9	81.4	88.5	91.6	94.4	95.6	95.9	96.9	97.4	97.7
>=600	41.5	67.3	74.9	81.5	88.6	91.8	94.7	96.0	96.2	97.3	97.9	98.2
>=500	41.5	67.3	74.9	81.5	88.7	91.9	95.0	96.4	96.6	97.9	98.6	98.9
>=400	41.5	67.3	75.0	81.6	88.8	92.0	95.2	96.7	96.9	98.2	99.0	99.4
>=300	41.5	67.3	75.0	81.6	88.8	92.0	95.3	96.7	97.0	98.3	99.2	99.6
>=200	41.5	67.3	75.0	81.6	88.8	92.1	95.3	96.8	97.0	98.4	99.2	99.7
>=100	41.5	67.3	75.0	81.6	88.8	92.1	95.3	96.8	97.0	98.4	99.2	99.8
>= 0	41.5	67.3	75.0	81.6	88.8	92.1	95.3	96.8	97.0	98.4	99.2	99.9

TOTAL NO. OF OBS : 6076

# 1 - SURFACE WINDS

043319 : AYSUGI, JAPAN  
 PERIOD OF RECORD : 1951-1987  
 CLASS : ALL WEATHER  
 CONDITION : NONE SPECIFIED

LAT. : 35 27N LONG. : 139 27E ELEV. : 214 FT  
 MONTH : APR  
 HOUR : 0000 LST

PERCENTAGE FREQUENCY OF WIND  
 DIRECTION VS SPEED  
 (FROM HOURLY OBSERVATIONS)

DIR.		SPEED (KNOTS)																TOTAL		MEAN			
16	PT.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	>56	%							%			
N		5.5	9.4	7.2	3.0	.0	.1	.0	.0	.0	.0	.0	.0	25.2	6.3								
NNE		1.6	4.1	2.6	1.8	.0	.0	.0	.0	.0	.0	.0	.0	10.1	6.8								
NE		1.0	3.1	1.5	.5	.0	.0	.0	.0	.0	.0	.0	.0	6.1	6.1								
ENE		1.1	.5	.1	.2	.0	.0	.0	.0	.0	.0	.0	.0	1.9	4.5								
E		.6	.3	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.3	4.2								
ESE		.2	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.3	3.3								
SE		.4	.3	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.9	3.5								
SSE		.4	.7	.4	.2	.2	.0	.0	.0	.0	.0	.0	.0	2.0	7.5								
S		2.1	2.9	1.9	2.6	.6	.0	.0	.0	.0	.0	.0	.0	10.1	8.0								
SSW		1.3	1.5	1.7	2.6	.7	.4	.1	.0	.0	.0	.0	.0	8.3	10.3								
SW		.3	1.3	.9	.7	.2	.0	.0	.0	.0	.0	.0	.0	3.4	8.5								
WSW		.2	.4	.2	.1	.0	.0	.0	.0	.0	.0	.0	.0	1.0	6.1								
W		.5	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.7	2.9								
WNW		.4	.5	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.2	4.5								
NW		1.1	.9	.7	.1	.0	.0	.0	.0	.0	.0	.0	.0	2.8	4.8								
NNW		2.4	3.6	3.4	1.2	.1	.1	.0	.0	.0	.0	.0	.0	10.8	6.5								
VAR		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0								
CLM		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	14.0	.0								
ALL		19.2	29.9	21.3	13.0	1.9	.6	.1	.0	.0	.0	.0	.0	100.0	5.9								

TOTAL NO. OF OBS : 941

NOTES :  
 \* = PERCENT < .05

# 1 - SURFACE WINDS

043319 : ATSUGI, JAPAN LAT. : 35 27N LONG. : 139 27E ELEV. : 214 FT  
 PERIOD OF RECORD : 1951-1987 MONTH : APR  
 CLASS : ALL WEATHER HOUR : 0300 LST  
 CONDITION : NONE SPECIFIED

## PERCENTAGE FREQUENCY OF WIND DIRECTION VS SPEED (FROM HOURLY OBSERVATIONS)

SPEED (KNOTS)														TOTAL	MEAN
16 PT.	1 - 3	4 - 6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	>=56	%	WIND	SPEED	
DIR.															
N	6.1	11.1	8.2	2.8	.2	.2	.0	.0	.0	.0	.0	28.6	6.2		
NNE	3.2	4.5	3.3	1.3	.1	.0	.0	.0	.0	.0	.0	12.3	6.0		
NE	.9	2.0	1.4	.3	.0	.0	.0	.0	.0	.0	.0	4.6	5.9		
ENE	.7	.7	.5	.1	.0	.0	.0	.0	.0	.0	.0	1.7	6.0		
E	.2	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.5	4.0		
ESE	.5	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.7	2.7		
SE	.4	.3	.1	.0	.0	.0	.0	.0	.0	.0	.0	.8	3.6		
SSE	.3	.8	.5	.2	.0	.0	.0	.0	.0	.0	.0	1.9	6.8		
S	.8	1.5	1.3	1.7	.6	.0	.0	.0	.0	.0	.0	5.9	9.1		
SSW	.6	.7	1.3	1.6	.9	.7	.0	.0	.0	.0	.0	5.9	12.4		
SW	.5	.5	1.2	.5	.1	.2	.0	.0	.0	.0	.0	3.1	9.0		
WSW	.4	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.6	4.3		
W	.7	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.9	2.3		
WNW	.5	.4	.1	.0	.0	.0	.0	.0	.0	.0	.0	1.1	3.9		
NW	1.2	1.2	.6	.0	.0	.0	.0	.0	.0	.0	.0	2.9	4.6		
NNW	3.4	6.8	3.8	1.1	.0	.0	.0	.0	.0	.0	.0	15.1	5.7		
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		
CLM	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	13.3	.0		
ALL	20.2	31.5	22.3	9.6	2.0	1.2	.0	.0	.0	.0	.0	100.0	5.7		

TOTAL NO. OF OBS : 950

NOTES : \* = PERCENT < .05

# 1 - SURFACE WINDS

043319 : ATSUGI, JAPAN  
 PERIOD OF RECORD : 1951-1987  
 CLASS : ALL WEATHER  
 CONDITION : NONE SPECIFIED

LAT. : 35 27N LONG. : 139 27E ELEV. : 214 FT  
 MONTH : APR  
 HOUR : 0600 LST

## PERCENTAGE FREQUENCY OF WIND DIRECTION VS SPEED (FROM HOURLY OBSERVATIONS)

16 PT.		1	1 - 3	4 - 6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	>=56	TOTAL	%	MEAN	
DIR.		SPEED (KNOTS)														WIND	
																SPEED	
N		7.2	14.7	11.2	2.3	.3	.1	.0	.0	.0	.0	.0	.0	.0	35.8	6.2	
NNE		2.8	3.7	3.4	1.2	.1	.0	.0	.0	.0	.0	.0	.0	.0	11.2	6.3	
NE		1.1	1.3	1.0	.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	4.0	5.7	
ENE		1.0	.7	.7	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.5	5.3	
E		.3	.1	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.6	4.3	
ESE		.6	.3	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.0	4.2	
SE		.3	.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.8	3.8	
SSE		.3	.3	.0	.5	.2	.0	.0	.0	.0	.0	.0	.0	.0	1.2	9.3	
S		.9	.8	1.7	1.4	.5	.0	.0	.0	.0	.0	.0	.0	.0	5.2	9.3	
SSW		.4	.3	.8	1.4	.5	.3	.2	.0	.0	.0	.0	.0	.0	3.8	13.0	
SW		.4	.1	.7	.4	.1	.1	.0	.0	.0	.0	.0	.0	.0	1.7	9.2	
WSW		.2	.5	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.8	5.6	
W		.1	.2	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.5	7.6	
WNW		.9	.1	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.1	3.8	
NW		1.3	1.5	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.0	4.0	
NNW		2.9	5.1	2.8	1.2	.4	.0	.0	.0	.0	.0	.0	.0	.0	12.5	6.4	
VAR		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
CLM		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	14.3	.0	
ALL		20.5	30.1	23.1	9.2	2.1	.5	.2	.0	.0	.0	.0	.0	.0	100.0	5.7	

TOTAL NO. OF OBS : 1052

NOTES :  
 \* = PERCENT < .05

# 1 - SURFACE WINDS

043315 : AITSUGI, JAPAN  
 PERIOD OF RECORD : 1951-1987  
 CLASS : ALL WEATHER  
 CONDITION : NONE SPECIFIED

LAT. : 35 27N LONG. : 139 27E ELEV. : 214 FT  
 MONTH : APR  
 HOUR : 0900 LST

## PERCENTAGE FREQUENCY OF WIND DIRECTION VS SPEED (FROM HOURLY OBSERVATIONS)

16 PT.		SPEED (KNOTS)																TOTAL %		MEAN	
DIR.		1	- 3	4	- 6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	>=56							
N		1.1		4.9		9.8	6.8	.6	.1	.0	.0	.0	.0	.0	.0	23.2	9.0				
NNE		2.3		4.9		5.3	3.7	.6	.0	.0	.0	.0	.0	.0	.0	16.8	7.9				
NE		1.9		3.0		2.1	1.4	.0	.0	.0	.0	.0	.0	.0	.0	8.4	6.5				
ENE		1.6		2.4		1.7	.4	.0	.0	.0	.0	.0	.0	.0	.0	6.1	5.9				
E		1.6		1.2		.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.1	3.9				
ESE		.9		.9		.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.9	4.1				
SE		.6		.7		.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.7	4.5				
SSE		.7		.5		.5	.3	.3	.0	.0	.0	.0	.0	.0	.0	2.2	7.8				
S		1.4		2.4		2.8	2.0	1.1	.5	.0	.0	.0	.0	.0	.0	10.2	9.8				
SSW		1.0		1.5		1.7	3.2	1.2	.4	.0	.0	.0	.0	.0	.0	8.9	11.2				
SW		.5		.3		.2	.6	.0	.3	.1	.0	.0	.0	.0	.0	1.9	10.9				
WSW		.1		.0		.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.2	7.5				
W		.3		.3		.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.7	4.0				
WNW		.0		.0		.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	7.0				
NW		.3		.2		.3	.0	.0	.1	.0	.0	.0	.0	.0	.0	.9	6.9				
NNW		.6		1.4		1.8	1.3	.4	.0	.0	.0	.0	.0	.0	.0	5.4	8.9				
VAR		.0		.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0				
CLM		.0		.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	8.1	.0				
ALL		14.7	24.4	27.7	19.7	4.1	1.4	.1	.0	.0	.0	.0	.0	.0	.0	100.0	7.6				

TOTAL NO. OF OBS : 1030

NOTES : \* = PERCENT < .05



# 1 - SURFACE WINDS

043319 : ATSUGI, JAPAN  
 PERIOD OF RECORD : 1951-1987  
 CLASS : ALL WEATHER  
 CONDITION : NONE SPECIFIED

LAT. : 35 27N LONG. : 139 27E ELEV. : 214 FT  
 MONTH : APR  
 HOUR : 1200 LST

## PERCENTAGE FREQUENCY OF WIND DIRECTION VS SPEED (FROM HOURLY OBSERVATIONS)

16 PT.	1	2	3	4	5	6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	>56	TOTAL	MEAN
DIR.	1	2	3	4	5	6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	>56	%	WIND SPEED
N	.5	2.2	4.3	4.2	1.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	12.2	10.0
NNE	.6	2.2	3.8	2.3	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	9.1	8.8
NE	.7	2.7	2.5	1.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	7.0	7.2
ENE	.6	1.1	2.1	1.2	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	5.0	7.9
E	.9	1.9	1.9	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	5.1	6.4
ESE	.2	1.8	1.7	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	4.0	6.4
SE	.5	1.4	.8	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.9	6.3
SSE	.5	1.9	2.0	1.6	.3	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	6.4	9.1
S	1.0	3.6	7.9	10.4	1.7	.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	25.4	11.0
SSW	.5	1.5	2.8	3.8	1.7	1.7	.2	.0	.0	.0	.0	.0	.0	.0	.0	12.1	13.3
SW	.7	.7	.4	1.0	.5	.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.4	13.1
WSW	.0	.2	.4	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.7	8.9
W	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	4.0
WNW	.2	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.3	4.0
NW	.3	.4	.2	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.2	6.7
NNW	.4	.8	.7	.7	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.6	8.0
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CLM	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.2	.0
ALL	7.1	22.6	31.6	27.4	5.6	3.3	.2	.0	.0	.0	.0	.0	.0	.0	.0	100.0	9.5

TOTAL NO. OF OBS : 1030

NOTES : # = PERCENT < .05

# 1 - SURFACE WINDS

043319 : ATSUGI, JAPAN  
 PERIOD OF RECORD : 1951-1987  
 CLASS : ALL WEATHER  
 CONDITION : NONE SPECIFIED

LAT. : 35 27N LONG. : 139 27E ELEV. : 214 FT  
 MONTH : APR  
 HOUR : 1500 LST

## PERCENTAGE FREQUENCY OF WIND DIRECTION VS SPEED (FROM HOURLY OBSERVATIONS)

16 PT. DIR.	SPEED (KNOTS)										TOTAL	MEAN WIND SPEED
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	>56	
N	.4	2.0	3.1	3.3	.6	.0	.0	.0	.0	.0	.0	9.4
NNE	.4	1.1	3.8	2.1	.1	.0	.0	.0	.0	.0	.0	7.5
NE	.2	1.2	1.7	1.5	.0	.0	.0	.0	.0	.0	.0	4.7
ENE	.2	1.0	1.9	1.2	.1	.0	.0	.0	.0	.0	.0	4.5
E	.5	1.6	2.5	.8	.0	.0	.0	.0	.0	.0	.0	5.3
ESE	.2	.7	1.7	.5	.0	.0	.0	.0	.0	.0	.0	3.1
SE	.2	1.1	1.1	.2	.0	.0	.0	.0	.0	.0	.0	2.7
SSE	.2	1.5	1.8	1.0	.1	.1	.0	.0	.0	.0	.0	4.8
S	.1	2.0	8.6	14.6	4.5	.6	.1	.0	.0	.0	.0	0.4
SSW	.3	1.2	4.9	7.2	2.4	1.0	.5	.0	.0	.0	.0	17.3
SW	.4	.8	1.4	.9	.7	.3	.1	.0	.0	.0	.0	4.5
WSW	.2	.2	.5	.5	.1	.0	.0	.0	.0	.0	.0	1.4
W	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2
WNW	.1	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0	.2
NW	.0	.2	.1	.1	.0	.0	.0	.0	.0	.0	.0	.4
NNW	.0	1.0	.6	1.0	.1	.0	.0	.0	.0	.0	.0	2.7
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CLM	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
ALL	3.2	15.9	33.6	35.0	8.6	1.9	.7	.0	.0	.0	.0	100.0
												10.7

TOTAL NO. OF OBS : 1048

NOTES : \* = PERCENT < .05

# 1 - SURFACE WINDS

043319 : ATSUGI, JAPAN  
 PERIOD OF RECORD : 1951-1967  
 CLASS : ALL WEATHER  
 CONDITION : NONE SPECIFIED

LAT. : 35 27N LONG. : 139 27E ELEV. : 214 FT  
 MONTH : APR  
 HOUR : 1800 LST

## PERCENTAGE FREQUENCY OF WIND DIRECTION VS SPEED (FROM HOURLY OBSERVATIONS)

16 PT.		SPEED (KNOTS)																TOTAL		MEAN	
DIR.		1	- 3	4	- 6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	>56	%	SPEED					
N	1.3	2.5	4.0	4.0	.5	.1	.0	.0	.0	.0	.0	.0	.0	.0	12.3	9.2					
NNE	.3	1.7	2.2	1.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	5.7	8.5					
NE	.3	1.6	1.3	.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	4.2	7.6					
ENE	.6	1.6	1.9	.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	4.7	7.1					
E	.4	1.8	2.1	.2	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	4.6	6.8					
ESE	.4	1.2	1.1	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.9	6.2					
SE	.3	.5	.4	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.5	7.1					
SSE	.8	1.1	.8	1.0	.2	.0	.1	.0	.0	.0	.0	.0	.0	.0	4.0	8.6					
S	2.1	4.9	11.5	7.5	1.2	.2	.1	.0	.0	.0	.0	.0	.0	.0	27.5	9.4					
SSW	1.2	3.9	4.8	4.1	1.3	.7	.0	.0	.0	.0	.0	.0	.0	.0	16.0	9.8					
SW	.6	1.6	1.2	1.8	.6	.2	.0	.0	.0	.0	.0	.0	.0	.0	6.0	10.0					
WSW	.3	.3	.7	.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.7	8.2					
W	.4	.1	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.7	4.9					
WNW	.1	.2	.2	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.6	6.0					
NW	.3	.0	.3	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.7	6.7					
NNW	.2	.8	.9	1.0	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.1	9.7					
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0					
CLM	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.7	.0					
ALL	9.4	23.8	33.4	24.1	4.2	1.1	.2	.0	.0	.0	.0	.0	.0	.0	100.0	8.6					

TOTAL NO. OF OBS : 1053

NOTES :  
 \* = PERCENT < .05

043319 : ATSUGI, JAPAN  
 PERIOD OF RECORD : 1951-1987  
 CLASS : ALL WEATHER  
 CONDITION : NONE SPECIFIED

LAT. : 35 27N LONG. : 139 27E ELEV. : 214 FT  
 MONTH : APR  
 HOUR : 2100 LST

PERCENTAGE FREQUENCY OF WIND  
 DIRECTION VS SPEED  
 (FROM HOURLY OBSERVATIONS)

16 PT.	1	2	3	4	5	6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	>56	TOTAL	MEAN
DIR.	1	2	3	4	5	6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	>56	%	WIND SPEED
N	2.2	4.3	6.3	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	17.0	8.2
NNE	1.5	3.2	2.7	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	8.8	6.9
NE	.8	1.3	1.8	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	5.0	7.8
ENE	1.3	1.3	.9	.3	.3	.3	.3	.3	.3	.3	.3	.3	.3	.3	.3	3.8	5.2
E	1.4	1.7	1.0	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	4.3	4.8
ESE	.6	.6	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.3	4.1
SE	.8	.7	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.5	3.9
SSE	1.5	1.0	.7	.2	.2	.2	.2	.2	.2	.2	.2	.2	.2	.2	.2	3.4	5.3
S	2.7	4.7	5.7	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	16.9	8.0
SSW	.9	2.4	2.9	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	11.5	11.0
SW	.9	1.7	1.0	.8	.8	.8	.8	.8	.8	.8	.8	.8	.8	.8	.8	4.7	7.7
WSW	.7	.7	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.5	6.6
W	.2	.2	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.5	4.0
WNW	.7	.8	.2	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	1.7	4.8
NW	.8	.8	.4	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	2.0	5.1
NNW	1.4	1.6	2.4	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	6.6	7.2
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CLM	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	9.5	.0
ALL	17.8	26.9	26.7	14.4	14.4	14.4	14.4	14.4	14.4	14.4	14.4	14.4	14.4	14.4	14.4	100.0	6.8

TOTAL NO. OF OBS : 1050

NOTES :  
 \* = PERCENT < .05

# 1 - SURFACE WINDS

D43319 : ATSUGI, JAPAN  
 PERIOD OF RECORD : 1951-1987  
 CLASS : ALL WEATHER  
 CONDITION : NONE SPECIFIED

LAT. : 35 27N LONG. : 139 27E ELEV. : 214 FT  
 MONTH : APR  
 HOUR : ALL

## PERCENTAGE FREQUENCY OF WIND DIRECTION VS SPEED (FROM HOURLY OBSERVATIONS)

		SPEED (KNOTS)																TOTAL	MEAN
		1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	>=56	%	WIND					
DIR.																		SPEED	
N	3.0	6.3	6.7	3.7	.5	.1	.0	.0	.0	.0	.0	.0	20.3	7.6					
NNE	1.6	3.2	3.4	1.9	.2	.0	.0	.0	.0	.0	.0	.0	10.2	7.4					
NE	.9	2.0	1.7	.9	.0*	.0*	.0	.0	.0	.0	.0	.0	5.5	6.9					
ENE	.8	1.2	1.3	.5	.0*	.0	.0	.0	.0	.0	.0	.0	3.8	6.7					
E	.7	1.1	1.1	.2	.0*	.0	.0	.0	.0	.0	.0	.0	3.2	6.0					
ESE	.4	.7	.7	.1	.0	.0	.0	.0	.0	.0	.0	.0	1.9	5.8					
SE	.4	.7	.4	.1	.0	.0	.0	.0	.0	.0	.0	.0	1.6	5.5					
SSE	.6	1.0	.8	.6	.2	.0*	.0*	.0	.0	.0	.0	.0	3.3	8.1					
S	1.4	2.9	5.3	5.5	1.4	.3	.0*	.0	.0	.0	.0	.0	16.7	10.2					
SSW	.8	1.6	2.6	3.4	1.3	.7	.1	.0	.0	.0	.0	.0	10.6	11.7					
SW	.5	.9	.9	.8	.3	.2	.0*	.0	.0	.0	.0	.0	3.6	10.0					
WSW	.2	.3	.3	.2	.0*	.0	.0	.0	.0	.0	.0	.0	1.0	7.4					
W	.3	.2	.0*	.0*	.0	.0	.0	.0	.0	.0	.0	.0	.5	4.1					
WNW	.4	.3	.1	.0*	.0	.0	.0	.0	.0	.0	.0	.0	.8	4.7					
NW	.6	.6	.3	.1	.0	.0*	.0	.0	.0	.0	.0	.0	1.7	5.1					
NNW	1.4	2.6	2.0	1.1	.2	.0*	.0	.0	.0	.0	.0	.0	7.2	7.0					
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0					
CLM	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0					
ALL	13.9	25.5	27.6	19.2	4.1	1.4	.2	.0	.0	.0	.0	.0	8.1	7.6					

TOTAL NO. OF OBS : 8154

NOTES :  
 \* = PERCENT < .05

## 2 - CEILING VS VISIBILITY

043319 : AITSUGI, JAPAN  
PERIOD OF RECORD : 1951-1987  
CLASS : ALL WEATHER  
CONDITION : NONE SPECIFIED

LAT. : 35 27N LONG. : 139 27E ELEV. : 214 FT  
MONTH : APR  
HOUR : 0000 LST

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

CEILING	VISIBILITY (STATUTE MILES)										
	>=10	>=6	>=5	>=4	>=3	>=2 1/2	>=2	>=1 1/2	>=1	>=3/4	>=5/8
	>=1/2										
	>=1/4	>=1/4	>=1/4	>=1/4	>=1/4	>=1/4	>=1/4	>=1/4	>=1/4	>=1/4	>=1/4
UNLIMIT	28.0	38.8	41.3	42.2	43.9	44.6	45.4	45.8	46.1	46.1	46.2
>=20000	28.9	40.5	43.1	43.9	45.8	46.6	47.2	47.6	47.9	47.9	48.1
>=18000	28.9	40.6	43.2	44.1	45.9	46.6	47.4	47.8	48.1	48.1	48.2
>=16000	28.9	40.6	43.2	44.1	45.9	46.6	47.4	47.8	48.1	48.1	48.2
>=14000	29.3	41.6	44.5	45.4	47.4	48.1	48.8	49.2	49.5	49.5	49.6
>=12000	30.3	43.1	45.9	46.9	49.1	49.8	50.5	50.9	51.2	51.2	51.4
>=10000	31.8	45.6	48.8	50.1	52.2	53.1	53.8	54.2	54.6	54.6	54.8
>=9000	31.9	46.1	49.2	50.5	52.6	53.5	54.2	54.8	55.2	55.2	55.4
>=8000	33.6	49.9	53.4	55.1	57.2	58.1	58.9	59.5	59.9	59.9	60.1
>=7000	34.8	51.4	55.1	56.8	59.2	60.1	60.9	61.5	61.9	61.9	62.1
>=6000	35.3	52.5	56.5	58.2	60.7	61.5	62.4	62.9	63.4	63.4	63.7
>=5000	38.6	57.2	61.5	63.5	66.1	67.0	67.8	68.7	69.2	69.2	69.4
>=4500	40.3	59.8	64.1	66.1	68.7	69.5	70.4	71.2	71.8	71.8	72.0
>=4000	41.5	61.8	66.4	69.0	71.7	72.5	73.4	74.2	74.8	74.8	75.0
>=3500	42.8	64.5	69.2	72.0	74.7	75.5	76.4	77.3	77.8	77.8	78.0
>=3000	43.5	67.0	72.5	75.7	78.7	79.7	80.7	81.5	82.1	82.1	82.3
>=2500	43.6	67.8	73.4	76.7	80.0	81.3	82.5	83.5	84.1	84.1	84.3
>=2000	44.3	69.7	75.7	79.5	83.4	84.8	86.4	87.6	88.3	88.3	88.4
>=1800	44.5	69.8	75.8	79.7	83.5	85.0	86.6	87.7	88.6	88.6	88.7
>=1500	44.8	70.4	76.4	80.7	85.0	86.8	88.6	89.8	90.0	91.0	91.1
>=1200	44.8	70.4	76.5	81.1	85.7	87.6	89.4	90.8	91.0	92.0	92.1
>=1000	44.8	70.7	77.0	81.7	86.7	88.8	90.8	92.3	93.4	93.6	93.7
>=900	44.8	70.8	77.1	81.8	87.1	89.3	91.4	92.8	94.0	94.1	94.3
>=800	44.8	71.0	77.4	82.3	87.7	90.0	92.1	93.7	94.8	95.4	95.6
>=700	44.8	71.0	77.4	82.3	87.8	90.3	92.7	94.3	95.4	96.0	96.1
>=600	44.8	71.0	77.4	82.4	88.1	90.6	93.6	95.3	96.6	97.3	97.4
>=500	44.8	71.0	77.4	82.5	88.4	91.0	94.1	96.1	97.4	98.3	98.4
>=400	44.8	71.0	77.4	82.5	88.4	91.1	94.3	96.3	97.7	98.6	98.7
>=300	44.8	71.0	77.4	82.5	88.4	91.1	94.3	96.4	98.1	99.0	99.1
>=200	44.8	71.0	77.4	82.5	88.4	91.1	94.3	96.4	98.1	99.0	99.1
>=100	44.8	71.0	77.4	82.5	88.4	91.1	94.3	96.4	98.1	99.0	99.3
>=0	44.8	71.0	77.4	82.5	88.4	91.1	94.3	96.4	98.1	99.0	99.3

TOTAL NO. OF OBS : 609

## 2 - CEILING VS VISIBILITY

043319 : ATSUGI, JAPAN  
 PERIOD OF RECORD : 1951-1987  
 CLASS : ALL WEATHER  
 CONDITION : NONE SPECIFIED

LAT. : 35 27N LONG. : 139 27E ELEV. : 214 FT  
 MONTH : APR  
 HOUR : 0300 LST

PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)

CEILING	VISIBILITY (STATUTE MILES)																
	>=10	>=6	>=5	>=4	>=3	>=2	1/2	>=2	>=1	1/2	>=1	>=3/4	>=5/8	>=1/2	>=5/16	>=1/4	>=0
UNLIMIT	27.6	37.8	40.7	42.4	45.1	45.2	45.7	46.2	46.2	46.2	46.4	46.8	46.8	46.8	46.8	46.9	47.1
>=20000	28.2	39.3	42.1	43.8	46.5	46.7	47.1	47.7	47.7	47.7	47.8	48.2	48.2	48.2	48.2	48.4	48.5
>=18000	28.2	39.5	42.4	44.1	46.8	46.9	47.4	47.9	47.9	47.9	48.1	48.5	48.5	48.5	48.5	48.6	48.8
>=16000	28.2	39.5	42.4	44.1	46.8	46.9	47.4	47.9	47.9	47.9	48.1	48.5	48.5	48.5	48.5	48.6	48.8
>=14000	28.3	40.3	43.1	44.8	47.5	47.7	48.1	48.6	48.6	48.6	48.8	49.2	49.2	49.2	49.4	49.4	49.5
>=12000	29.9	42.5	45.8	47.5	50.2	50.4	50.8	51.4	51.4	51.4	51.5	51.9	51.9	51.9	52.1	52.2	52.2
>=10000	30.9	44.4	47.8	49.6	52.3	52.5	52.9	53.5	53.5	53.5	53.6	54.1	54.1	54.1	54.2	54.3	54.3
>= 9000	31.0	45.1	48.5	50.4	53.1	53.2	53.6	54.2	54.2	54.2	54.3	54.8	54.8	54.8	54.8	54.9	55.0
>= 8000	33.1	47.7	51.4	53.3	56.3	56.5	56.9	57.5	57.5	57.5	57.6	58.0	58.0	58.0	58.2	58.2	58.3
>= 7000	33.9	48.9	52.8	54.8	57.8	57.9	58.3	58.9	58.9	58.9	59.0	59.5	59.5	59.5	59.6	59.7	59.7
>= 6000	34.7	50.1	54.2	56.2	59.2	59.3	59.7	60.3	60.3	60.3	60.6	61.0	61.0	61.0	61.2	61.3	61.3
>= 5000	37.1	54.5	58.7	61.2	64.4	64.6	65.0	65.6	65.6	65.6	65.9	66.3	66.3	66.3	66.4	66.6	66.6
>= 4500	38.7	57.5	61.9	64.4	67.7	68.0	68.4	69.0	69.0	69.0	69.3	69.7	69.7	69.7	69.8	70.0	70.0
>= 4000	40.5	61.2	65.7	68.3	71.7	72.0	72.4	73.0	73.0	73.0	73.3	73.7	73.7	73.7	73.8	74.0	74.0
>= 3500	42.0	63.6	68.4	71.3	74.8	75.2	75.7	76.2	76.2	76.2	76.5	77.0	77.0	77.0	77.1	77.2	77.2
>= 3000	43.0	65.4	70.7	74.3	78.7	79.1	79.5	80.2	80.2	80.2	80.5	80.9	80.9	80.9	81.1	81.2	81.2
>= 2500	43.8	67.0	72.5	76.4	81.2	81.8	82.4	83.1	83.1	83.1	83.4	83.8	83.8	83.8	83.9	84.1	84.1
>= 2000	44.1	67.7	73.7	78.1	83.2	83.9	84.8	85.5	85.5	85.5	85.9	86.3	86.3	86.3	86.5	86.6	86.6
>= 1800	44.2	67.9	73.8	78.2	83.4	84.1	84.9	85.6	85.6	85.6	86.1	86.5	86.5	86.5	86.6	86.8	86.8
>= 1500	44.4	68.3	74.3	78.9	84.5	85.3	86.5	87.3	87.3	87.3	88.3	88.8	88.8	88.8	88.9	89.0	89.0
>= 1200	44.4	68.4	74.5	79.8	85.9	86.8	88.1	89.0	89.0	89.0	90.0	90.5	90.5	90.5	90.6	90.8	90.8
>= 1000	44.4	68.8	75.1	80.8	87.2	88.1	89.8	90.9	90.9	90.9	91.9	92.3	92.3	92.3	92.5	92.6	92.6
>= 900	44.4	68.8	75.1	81.2	87.6	88.5	90.2	91.3	91.3	91.3	92.5	92.9	92.9	92.9	93.0	93.2	93.2
>= 800	44.4	69.0	75.2	81.4	87.8	88.9	90.8	92.2	92.2	92.2	93.3	93.7	93.7	93.7	93.9	94.0	94.0
>= 700	44.4	69.0	75.2	81.4	87.9	89.3	91.3	92.7	92.7	92.7	93.9	94.3	94.3	94.5	94.6	94.7	94.7
>= 600	44.4	69.0	75.4	81.7	88.3	89.8	91.7	93.2	93.2	93.2	94.3	94.9	94.9	95.0	95.2	95.3	95.3
>= 500	44.4	69.3	75.7	82.2	88.9	90.3	92.7	94.6	94.6	94.6	95.7	96.4	96.4	96.6	96.7	96.9	96.9
>= 400	44.4	69.3	75.7	82.2	89.0	90.5	93.0	95.2	95.2	95.2	96.7	97.6	97.6	97.9	98.0	98.2	98.2
>= 300	44.4	69.3	75.8	82.4	89.2	90.6	93.3	95.4	95.4	95.4	97.2	98.2	98.2	98.4	98.6	98.7	98.9
>= 200	44.4	69.3	75.8	82.4	89.2	90.6	93.3	95.4	95.4	95.4	97.2	98.2	98.2	98.4	98.6	98.7	99.0
>= 100	44.4	69.3	75.8	82.4	89.2	90.6	93.3	95.4	95.4	95.4	97.3	98.3	98.3	98.9	99.0	99.1	99.6
>= 0	44.4	69.3	75.8	82.4	89.2	90.6	93.3	95.4	95.4	95.4	97.3	98.3	98.3	98.9	99.0	99.1	100.0

TOTAL NO. OF OPS : 703

## 2 - CEILING VS VISIBILITY

043319 : ATSUGI, JAPAN  
 PERIOD OF RECORD : 1951-1987  
 CLASS : ALL WEATHER  
 CONDITION : NONE SPECIFIED

LAT. : 35 27N LONG. : 139 27E ELEV. : 214 FT  
 MONTH : APR  
 HOUR : 0600 LST

PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)

CEILING	VISIBILITY (STATUTE MILES)																			
	>=10	>=6	>=5	>=4	>=3	>=2	1/2	>=2	>=1	1/2	>=1	1/4	>=1	>=3/4	>=5/8	>=1/2	>=5/16	>=1/4	>=0	
UNLIMIT	21.6	29.8	33.7	36.5	40.1	40.5	41.6	42.5	42.8	43.0	43.5	43.5	43.5	43.5	43.5	43.7	43.9	43.9	44.0	
>=20000	22.3	31.3	35.7	38.4	42.1	42.8	43.9	44.8	45.1	45.4	46.0	46.0	46.0	46.0	46.0	46.2	46.4	46.4	46.5	
>=18000	22.6	31.8	36.2	39.0	42.6	43.3	44.6	45.5	45.8	46.1	46.7	46.7	46.7	46.7	46.7	46.9	47.1	47.1	47.2	
>=16000	22.7	31.9	36.1	39.1	42.8	43.5	44.7	45.7	46.0	46.2	46.8	46.8	46.8	46.8	46.8	47.1	47.2	47.2	47.4	
>=14000	22.8	32.3	36.3	39.8	43.5	44.3	45.5	46.5	46.8	47.1	47.6	47.6	47.6	47.6	47.6	47.9	48.1	48.1	48.2	
>=12000	23.8	34.0	38.7	41.9	45.7	46.8	48.1	49.0	49.3	49.6	50.1	50.1	50.1	50.1	50.1	50.4	50.6	50.7	50.7	
>=10000	24.7	36.1	41.1	44.4	48.6	50.0	51.3	52.2	52.5	52.9	53.6	53.6	53.6	53.6	53.6	54.0	54.2	54.2	54.3	
>= 9000	24.9	36.5	41.5	45.0	49.2	50.6	51.8	52.8	53.1	53.5	54.2	54.2	54.2	54.2	54.2	54.6	54.7	54.7	54.9	
>= 8000	25.3	37.9	43.2	46.9	51.4	52.9	54.5	55.4	55.7	56.1	56.8	56.8	56.8	56.8	56.8	57.4	57.5	57.5	57.7	
>= 7000	25.5	38.7	44.2	47.9	52.4	53.9	55.4	56.4	56.7	57.1	57.8	57.8	57.8	57.8	57.8	58.4	58.5	58.5	58.6	
>= 6000	26.2	39.7	45.5	49.3	54.0	55.7	57.2	58.2	58.5	58.9	59.6	59.6	59.6	59.6	59.6	60.2	60.3	60.3	60.4	
>= 5000	28.6	43.3	49.3	53.8	59.3	61.3	63.0	64.1	64.3	64.8	65.5	65.5	65.5	65.5	65.5	66.0	66.2	66.2	66.3	
>= 4500	30.4	46.2	52.9	57.7	63.4	65.6	67.4	68.7	69.1	69.5	70.2	70.2	70.2	70.2	70.2	70.8	70.9	70.9	71.0	
>= 4000	31.6	47.8	54.7	60.0	65.9	68.1	69.9	71.2	71.6	72.0	72.7	72.7	72.7	72.7	72.7	73.3	73.4	73.4	73.5	
>= 3500	32.0	49.6	57.1	62.5	68.7	71.0	73.0	74.2	74.7	75.2	75.9	75.9	75.9	75.9	75.9	76.5	76.6	76.6	76.7	
>= 3000	32.6	51.8	59.5	64.9	71.4	74.0	76.2	77.4	78.0	78.6	79.2	79.2	79.2	79.2	79.2	79.8	79.9	79.9	80.1	
>= 2500	32.6	52.1	59.9	65.5	72.7	75.2	77.7	79.0	79.5	80.1	80.9	80.9	80.9	80.9	80.9	81.5	81.6	81.6	81.8	
>= 2000	33.1	53.1	61.4	67.7	75.2	78.1	81.2	82.7	83.3	83.8	84.7	84.7	84.7	84.7	84.7	85.2	85.4	85.5	85.7	
>= 1800	33.1	53.5	61.8	68.1	75.8	78.7	81.8	83.3	83.8	84.4	85.2	85.2	85.2	85.2	85.2	85.8	85.9	86.1	86.2	
>= 1500	33.4	54.0	62.4	68.7	76.5	79.7	82.9	84.5	85.2	85.9	86.9	86.9	86.9	86.9	86.9	87.5	87.6	87.7	88.0	
>= 1200	33.4	54.2	62.5	69.1	76.9	80.1	83.8	85.8	86.5	87.3	88.6	88.6	88.6	88.6	88.6	89.3	89.6	89.7	90.0	
>= 1000	33.4	54.5	63.0	69.8	77.7	81.5	85.5	87.7	88.6	89.4	90.9	90.9	90.9	90.9	90.9	91.6	91.9	92.1	92.3	
>= 900	33.4	54.6	63.1	69.9	78.3	82.0	86.2	88.4	89.4	90.3	91.9	91.9	91.9	91.9	91.9	92.6	92.9	93.0	93.3	
>= 800	33.4	54.6	63.1	69.9	78.6	82.6	86.8	89.1	90.1	90.9	92.6	92.6	92.6	92.6	92.6	93.5	93.7	93.9	94.2	
>= 700	33.4	54.6	63.1	69.9	78.6	82.7	87.0	89.6	90.5	91.5	93.2	93.2	93.2	93.2	93.2	94.0	94.3	94.4	94.7	
>= 600	33.4	54.6	63.1	69.9	78.8	83.3	88.0	90.9	91.9	93.2	94.8	94.8	94.8	94.8	94.8	95.7	96.0	96.2	96.5	
>= 500	33.4	54.6	63.2	70.1	79.1	83.7	88.6	91.9	92.9	94.2	96.0	96.0	96.0	96.0	96.0	96.8	97.1	97.4	97.6	
>= 400	33.4	54.6	63.2	70.2	79.4	84.1	89.0	92.5	93.5	94.8	96.7	96.7	96.7	96.7	96.7	97.5	97.8	98.1	98.3	
>= 300	33.4	54.6	63.2	70.2	79.4	84.1	89.0	92.5	93.5	95.0	96.8	96.8	96.8	96.8	96.8	98.1	98.5	98.7	99.0	
>= 200	33.4	54.6	63.2	70.2	79.4	84.1	89.0	92.5	93.6	95.1	96.9	97.1	97.1	97.1	97.1	98.3	98.7	99.0	99.4	
>= 100	33.4	54.6	63.2	70.2	79.4	84.1	89.0	92.5	93.6	95.1	96.9	97.1	97.1	97.1	97.1	98.3	98.7	99.2	99.6	
>= 0	33.4	54.6	63.2	70.2	79.4	84.1	89.0	92.5	93.6	95.1	96.9	97.1	97.1	97.1	97.1	98.3	98.7	99.2	100.0	

TOTAL NO. OF OBS : 718



043319 : ATSUGI, JAPAN  
 PERIOD OF RECORD : 1951-1987  
 CLASS : ALL WEATHER  
 CONDITION : NONE SPECIFIED

LAT. : 35 27N LONG. : 139 27E ELEV. : 214 FT  
 MONTH : APR  
 HOUR : 0900 LST

PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)

CEILING	VISIBILITY (STATUTE MILES)																	
	>=10	>=6	>=5	>=4	>=3	>=2	1/2	>=2	1/2	>=1	1/4	>=1	>=3/4	>=5/8	>=1/2	>=5/16	>=1/4	>=0
UNLIMIT	22.8	36.1	39.4	42.7	45.1	45.8	45.8	46.1	46.1	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2
>=20000	23.7	38.5	42.0	46.0	48.6	49.4	49.4	49.7	49.7	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8
>=18000	24.0	38.8	42.2	46.2	49.0	49.8	49.8	50.1	50.1	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2
>=16000	24.3	39.1	42.5	46.5	49.2	50.1	50.2	50.5	50.5	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6
>=14000	24.7	39.6	43.1	47.3	50.2	51.0	51.2	51.4	51.4	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6
>=12000	25.5	41.3	44.9	49.7	52.9	53.9	54.2	54.5	54.5	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7
>=10000	26.5	43.2	47.2	52.5	56.1	57.3	57.8	58.2	58.3	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6
>= 9000	26.6	43.6	47.6	52.9	56.5	57.8	58.2	58.6	58.7	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0
>= 8000	27.3	45.8	50.3	55.8	59.4	60.8	61.2	61.6	61.7	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0
>= 7000	27.7	46.8	51.6	57.2	60.9	62.3	62.8	63.2	63.4	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6
>= 6000	28.5	48.1	53.1	58.8	62.7	64.1	64.6	65.2	65.3	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6
>= 5000	29.2	50.2	56.2	62.7	67.1	68.7	69.5	70.1	70.2	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5
>= 4500	29.5	51.7	58.4	65.2	69.7	71.6	72.4	73.1	73.3	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5
>= 4000	30.0	53.4	60.5	67.5	72.3	74.3	75.2	75.9	76.0	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4
>= 3500	30.6	54.9	62.4	69.7	74.5	76.5	77.4	78.1	78.2	78.6	78.6	78.7	78.7	78.7	78.7	78.7	78.7	78.7
>= 3000	30.9	56.2	63.9	71.2	76.3	78.5	79.4	80.1	80.2	80.7	80.7	80.8	80.8	80.8	80.8	80.8	80.8	80.8
>= 2500	31.0	56.8	64.6	72.2	77.5	80.5	81.6	82.6	82.7	83.1	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3
>= 2000	31.0	57.3	65.7	73.4	79.3	82.7	84.4	85.7	85.9	86.3	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6
>= 1800	31.0	57.3	65.7	73.4	79.6	83.0	84.8	86.3	86.4	86.8	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1
>= 1500	31.1	57.5	66.0	73.8	80.1	83.8	86.1	87.8	88.1	88.6	88.9	88.9	88.9	88.9	89.0	89.0	89.0	89.0
>= 1200	31.3	57.9	66.4	74.0	81.5	85.5	87.9	89.8	90.1	90.8	91.2	91.2	91.2	91.2	91.4	91.4	91.4	91.4
>= 1000	31.3	58.3	66.8	75.2	82.2	86.1	88.8	90.9	91.2	92.0	92.6	92.6	92.6	92.6	92.7	92.7	92.7	92.7
>= 900	31.3	58.3	66.9	75.4	82.6	86.8	89.4	91.6	91.9	92.7	93.4	93.4	93.4	93.4	93.6	93.6	93.6	93.6
>= 800	31.3	58.4	67.2	76.0	83.3	88.3	91.4	94.0	94.2	95.1	95.7	95.7	95.7	95.7	95.9	95.9	95.9	95.9
>= 700	31.3	58.6	67.4	76.1	83.5	88.8	91.8	94.7	95.1	95.9	96.6	96.6	96.6	96.6	96.7	96.7	96.7	96.7
>= 600	31.3	58.6	67.4	76.1	84.0	89.4	92.6	95.9	96.4	97.7	98.6	98.6	98.6	98.6	98.8	98.8	98.8	98.8
>= 500	31.3	58.6	67.4	76.1	84.0	89.7	92.9	96.2	96.7	98.1	99.0	99.0	99.0	99.0	99.2	99.2	99.2	99.2
>= 400	31.3	58.6	67.4	76.1	84.0	89.7	92.9	96.4	97.0	98.5	99.5	99.5	99.5	99.5	99.9	99.9	99.9	99.9
>= 300	31.3	58.6	67.4	76.1	84.0	89.7	92.9	96.4	97.0	98.6	99.6	99.6	99.6	99.6	100.0	100.0	100.0	100.0
>= 200	31.3	58.6	67.4	76.1	84.0	89.7	92.9	96.4	97.0	98.6	99.6	99.6	99.6	99.6	100.0	100.0	100.0	100.0
>= 100	31.3	58.6	67.4	76.1	84.0	89.7	92.9	96.4	97.0	98.6	99.6	99.6	99.6	99.6	100.0	100.0	100.0	100.0
>= 0	31.3	58.6	67.4	76.1	84.0	89.7	92.9	96.4	97.0	98.6	99.6	99.6	99.6	99.6	100.0	100.0	100.0	100.0

TOTAL NO. OF OBS : 729

## 2 - CEILING VS VISIBILITY

043319 : ATSUGI, JAPAN  
 PERIOD OF RECORD : 1951-1987  
 CLASS : ALL WEATHER  
 CONDITION : NONE SPECIFIED

LAT. : 35 27N LONG. : 139 27E ELEV. : 214 FT  
 MONTH : APR  
 HOUR : 1200 LST

PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)

VISIBILITY (STATUTE MILES)

CEILING	>=10	>=6	>=5	>=4	>=3	>=2	1/2	>=1	1/2	>=1	1/4	>=1	>=3/4	>=5/8	>=1/2	>=5/16	>=1/4	>=0
UNLIMIT	25.7	39.0	42.7	45.0	46.2	46.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4
>=20000	27.7	42.8	46.7	49.1	50.2	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5
>=18000	27.7	42.9	46.9	49.2	50.3	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6
>=16000	28.0	43.2	47.1	49.7	50.8	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0
>=14000	28.3	43.8	47.8	50.5	51.6	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0
>=12000	28.7	45.0	49.2	52.2	53.4	54.0	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1
>=10000	29.4	47.1	51.6	54.5	56.1	56.8	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9
>= 9000	29.5	47.4	51.9	55.1	56.6	57.5	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6
>= 8000	30.6	50.3	55.1	58.3	60.1	61.1	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3
>= 7000	30.6	50.8	55.5	58.9	60.7	61.7	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1
>= 6000	30.9	51.3	56.1	59.9	61.8	62.8	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4
>= 5000	32.3	53.8	59.2	63.4	65.7	66.7	67.7	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8
>= 4500	32.7	55.5	60.8	65.5	68.1	69.1	70.1	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2
>= 4000	33.8	58.9	64.5	69.2	72.2	73.3	74.7	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0
>= 3500	34.4	61.5	67.4	72.6	75.9	77.2	78.6	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9
>= 3000	35.4	63.6	69.8	75.2	78.7	80.3	82.0	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4
>= 2500	35.4	64.5	71.0	76.6	80.7	82.4	84.2	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0
>= 2000	35.5	65.0	71.7	77.9	82.2	84.2	86.2	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3
>= 1800	35.5	65.0	71.7	77.9	82.4	84.3	86.3	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4
>= 1500	35.5	65.6	72.9	79.2	83.6	86.2	88.5	89.8	89.8	89.8	90.1	90.2	90.2	90.2	90.2	90.2	90.2	90.2
>= 1200	35.5	65.7	73.0	79.3	84.1	86.6	89.1	90.8	90.8	90.8	91.2	91.5	91.5	91.5	91.5	91.5	91.5	91.5
>= 1000	35.5	66.3	73.7	80.0	85.0	88.0	90.8	92.6	92.6	92.6	93.0	93.3	93.3	93.3	93.3	93.3	93.3	93.3
>= 900	35.5	66.3	73.7	80.0	85.0	88.0	90.9	92.9	92.9	93.0	93.4	93.8	93.8	93.8	93.8	93.8	93.8	93.8
>= 800	35.5	66.3	74.0	80.4	85.7	89.0	92.0	94.0	94.1	94.1	94.7	95.1	95.1	95.1	95.1	95.1	95.1	95.1
>= 700	35.5	66.3	74.1	80.7	86.3	89.9	93.1	95.1	95.1	95.2	96.1	96.5	96.5	96.5	96.5	96.5	96.5	96.5
>= 600	35.5	66.3	74.1	80.8	86.4	90.2	93.6	96.2	96.4	96.4	97.3	97.8	97.8	97.8	97.8	97.8	97.8	97.8
>= 500	35.5	66.3	74.1	80.8	86.4	90.2	93.6	96.5	96.6	96.6	97.9	98.7	98.7	98.7	98.7	98.7	98.7	98.7
>= 400	35.5	66.3	74.1	80.8	86.6	90.3	93.7	96.6	96.6	96.6	98.0	99.4	99.4	99.4	99.4	99.4	99.4	99.4
>= 300	35.5	66.3	74.1	81.0	86.7	90.5	94.0	96.9	97.2	97.2	98.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0
>= 200	35.5	66.3	74.1	81.0	86.7	90.5	94.0	96.9	97.2	97.2	98.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0
>= 100	35.5	66.3	74.1	81.0	86.7	90.5	94.0	96.9	97.2	97.2	98.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0
>= 0	35.5	66.3	74.1	81.0	86.7	90.5	94.0	96.9	97.2	97.2	98.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NO. OF OPS : 715

043319 : ATSUGI, JAPAN  
 PERIOD OF RECORD : 1951-1987  
 CLASS : ALL WEATHER  
 CONDITION : NONE SPECIFIED

LAT. : 35 27N LONG. : 139 27E ELEV. : 214 FT  
 MONTH : APR  
 HOUR : 1500 LST

PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)

CEILING	VISIBILITY (STATUTE MILES)																
	>=10	>=6	>=5	>=4	>=3	>=2	1/2	>=2	>=1	1/2	>=1	>=3/4	>=5/8	>=1/2	>=5/16	>=1/4	>=0
UNLIMIT	27.4	40.7	42.5	44.2	44.8	45.1	45.4	45.1	45.4	45.4	45.4	45.4	45.4	45.4	45.4	45.4	45.4
>=20000	28.1	44.5	46.6	48.8	49.4	49.6	49.9	49.6	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9
>=18000	28.4	44.8	46.9	49.1	49.6	49.9	50.2	49.9	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2
>=16000	28.5	45.1	47.2	49.4	49.9	50.2	50.5	50.2	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5
>=14000	28.7	45.8	47.9	50.1	50.6	50.9	51.2	50.9	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2
>=12000	29.7	47.1	49.6	52.4	52.9	53.4	53.6	53.4	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6
>=10000	30.7	49.5	52.1	55.1	56.2	56.6	56.9	56.6	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9
>=9000	30.8	50.4	53.1	56.2	57.3	57.8	58.1	57.8	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1
>=8000	31.2	52.4	55.3	58.6	59.9	60.3	60.8	60.3	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8
>=7000	31.5	53.5	56.5	59.9	61.3	61.9	62.3	62.3	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6
>=6000	32.1	54.6	57.6	61.2	62.8	63.3	63.8	63.8	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1
>=5000	33.8	57.5	61.2	64.8	67.3	68.0	68.6	68.6	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0
>=4500	34.8	60.2	64.3	68.0	70.9	71.6	72.2	72.2	72.5	72.5	72.6	72.6	72.6	72.6	72.6	72.6	72.6
>=4000	35.8	62.9	67.2	71.2	74.2	75.0	75.6	75.6	76.0	76.0	76.3	76.3	76.3	76.3	76.3	76.3	76.3
>=3500	36.4	64.6	69.6	73.8	77.3	78.2	78.7	78.7	79.2	79.2	79.5	79.7	79.7	79.7	79.7	79.7	79.7
>=3000	36.7	66.0	71.3	75.9	80.0	81.0	81.6	81.6	82.0	82.0	82.3	82.6	82.6	82.6	82.6	82.6	82.6
>=2500	36.8	66.6	72.5	77.3	81.7	83.2	83.9	84.3	84.6	84.6	84.9	84.9	84.9	84.9	84.9	84.9	84.9
>=2000	37.1	67.2	73.5	78.7	83.3	84.7	85.6	86.3	86.6	86.6	87.0	87.0	87.0	87.0	87.0	87.0	87.0
>=1800	37.1	67.3	73.8	79.0	83.9	85.4	86.3	87.0	87.3	87.3	88.0	88.0	88.0	88.0	88.0	88.0	88.0
>=1500	37.1	67.5	74.3	80.2	85.2	87.0	88.0	88.7	89.0	89.0	89.7	89.9	89.9	89.9	89.9	89.9	89.9
>=1200	37.1	67.5	74.5	80.6	86.2	88.6	90.2	91.2	91.4	92.2	92.3	92.3	92.3	92.3	92.3	92.3	92.3
>=1000	37.1	67.8	74.9	81.0	86.7	89.4	91.3	92.7	93.0	93.7	93.9	93.9	93.9	93.9	93.9	93.9	93.9
>=900	37.1	67.8	74.9	81.2	87.0	89.7	91.7	93.2	93.4	94.2	94.3	94.3	94.3	94.3	94.3	94.3	94.3
>=800	37.1	67.8	74.9	81.3	87.7	90.7	93.0	94.7	95.0	95.7	96.0	96.0	96.0	96.1	96.1	96.1	96.1
>=700	37.1	67.8	74.9	81.5	87.9	91.3	93.6	95.3	95.6	96.3	96.7	96.7	96.7	96.9	96.9	96.9	96.9
>=600	37.1	67.9	75.0	81.7	88.4	92.0	94.6	96.4	96.7	97.6	98.1	98.1	98.1	98.3	98.3	98.3	98.3
>=500	37.1	68.0	75.2	81.9	88.6	92.2	94.9	97.0	97.4	98.6	99.1	99.3	99.4	99.4	99.4	99.4	99.4
>=400	37.1	68.0	75.2	81.9	88.6	92.2	94.9	97.0	97.4	98.6	99.4	99.6	99.7	99.7	99.7	99.7	99.7
>=300	37.1	68.0	75.2	81.9	88.6	92.2	94.9	97.0	97.4	98.6	99.4	99.7	99.9	99.9	99.9	99.9	99.9
>=200	37.1	68.0	75.2	81.9	88.6	92.2	94.9	97.0	97.4	98.6	99.6	99.9	100.0	100.0	100.0	100.0	100.0
>=100	37.1	68.0	75.2	81.9	88.6	92.2	94.9	97.0	97.4	98.6	99.6	99.9	100.0	100.0	100.0	100.0	100.0
>=0	37.1	68.0	75.2	81.9	88.6	92.2	94.9	97.0	97.4	98.6	99.6	99.9	100.0	100.0	100.0	100.0	100.0

TOTAL NO. OF OPS : 701

## 2 - CEILING VS VISIBILITY

043319 : ATSUGI, JAPAN  
PERIOD OF RECORD : 1951-1987  
CLASS : ALL WEATHER  
CONDITION : NONE SPECIFIED

LAT. : 35 27N LONG. : 139 27E ELEV. : 214 FT  
MONTH : APR  
HOUR : 1800 LST

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

CEILING	VISIBILITY (STATUTE MILES)															
	>=10	>=6	>=5	>=4	>=3	>=2	1/2	>=2	1/2	>=1	1/2	>=1	1/4	>=1	>=3/4	>=5/8
UNLIMIT	24.0	37.2	40.8	42.6	44.3	44.4	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6
>=20000	25.1	40.9	44.8	46.8	48.7	48.9	49.0	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2
>=18000	25.1	40.9	44.8	46.8	48.7	48.9	49.0	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2
>=16000	25.3	41.2	45.1	47.1	49.0	49.2	49.3	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4
>=14000	25.7	42.2	46.1	48.0	50.0	50.1	50.3	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4
>=12000	26.3	43.9	48.2	50.4	52.5	52.8	52.9	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1
>=10000	26.8	46.2	50.7	53.1	55.4	55.7	56.0	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1
>=9000	26.8	46.6	51.3	53.6	56.0	56.4	56.7	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8
>=8000	27.1	47.9	52.8	55.2	57.5	58.0	58.4	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7
>=7000	27.8	49.6	54.5	57.1	59.5	60.1	60.5	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8
>=6000	28.1	51.3	56.1	59.1	61.6	62.4	63.0	63.3	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4
>=5000	28.8	53.6	59.4	62.7	66.1	67.3	68.2	68.4	68.6	68.7	68.7	68.7	68.7	68.7	68.7	68.7
>=4500	29.2	55.9	62.6	66.2	69.7	71.1	72.1	72.3	72.5	72.6	72.8	72.8	72.8	72.8	72.8	72.8
>=4000	29.9	58.4	65.8	69.8	73.5	75.1	76.3	76.5	76.7	77.1	77.1	77.1	77.1	77.1	77.1	77.1
>=3500	30.2	59.9	68.0	72.2	76.1	77.9	79.2	79.6	79.7	80.2	80.2	80.2	80.2	80.2	80.2	80.2
>=3000	30.2	60.9	69.1	73.9	78.1	80.0	81.6	82.1	82.3	82.8	82.8	82.8	82.8	82.8	82.8	82.8
>=2500	30.2	61.7	70.0	75.0	79.6	81.8	83.8	84.6	84.8	85.5	85.5	85.5	85.5	85.5	85.5	85.5
>=2000	30.3	62.3	71.1	76.5	81.4	83.9	85.9	86.7	86.9	87.6	87.6	87.6	87.6	87.6	87.6	87.6
>=1800	30.3	62.4	71.2	76.7	81.7	84.5	86.5	87.3	87.4	88.1	88.1	88.1	88.1	88.1	88.1	88.1
>=1500	30.3	62.6	71.6	77.5	82.7	85.8	87.8	88.7	89.0	89.7	89.9	89.9	89.9	89.9	89.9	89.9
>=1200	30.3	63.0	72.1	78.1	83.5	87.0	89.2	90.1	90.4	91.2	91.6	91.9	92.3	92.3	92.3	92.3
>=1000	30.3	63.1	72.2	78.2	83.7	87.3	89.9	90.9	91.2	92.0	92.5	92.7	93.2	93.2	93.2	93.2
>=900	30.3	63.1	72.2	78.2	83.7	87.4	90.6	91.8	92.0	92.9	93.4	93.7	94.1	94.1	94.1	94.1
>=800	30.3	63.1	72.3	78.9	84.4	88.3	91.6	92.7	93.0	93.9	94.6	94.8	95.3	95.3	95.3	95.3
>=700	30.3	63.3	72.5	79.1	84.8	88.8	92.3	93.4	93.9	94.7	95.7	95.9	96.5	96.5	96.5	96.5
>=600	30.3	63.3	72.6	79.2	85.1	89.1	92.6	93.7	94.1	95.4	96.4	96.6	97.2	97.2	97.2	97.2
>=500	30.3	63.4	72.8	79.3	85.2	89.2	92.7	94.1	94.6	96.1	97.3	97.6	98.3	98.5	98.5	98.5
>=400	30.3	63.4	72.8	79.5	85.3	89.4	92.9	94.3	94.8	96.5	97.9	98.2	98.9	99.0	99.0	99.0
>=300	30.3	63.4	72.8	79.5	85.3	89.4	92.9	94.4	95.0	96.6	98.2	98.5	99.2	99.3	99.3	99.3
>=200	30.3	63.4	72.8	79.5	85.3	89.4	92.9	94.4	95.0	96.6	98.2	98.5	99.3	99.4	99.6	99.6
>=100	30.3	63.4	72.8	79.5	85.3	89.4	92.9	94.4	95.0	96.6	98.3	98.6	99.4	99.7	99.9	99.9
>=0	30.3	63.4	72.8	79.5	85.3	89.4	92.9	94.4	95.0	96.6	98.3	98.6	99.4	99.7	99.9	100.0

TOTAL NO. OF OBS : 716

043319 : AISUGI, JAPAN  
PERIOD OF RECORD : 1951-1987  
CLASS : ALL WEATHER  
CONDITION : NONE SPECIFIED

LAT. : 35 27N LONG. : 139 27E ELEV. : 214 FT  
MONTH : APR  
HOUR : 2100 LST

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

VISIBILITY (STATUTE MILES)

CEILING	>=10	>=6	>=5	>=4	>=3	>=2	1/2	>=2	>=1	1/2	>=1	1/4	>=1	>=3/4	>=5/8	>=1/2	>=5/16	>=1/4	>=0
UNLIMIT	29.1	41.9	44.7	46.2	47.4	47.4	47.8	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.2	48.2	48.2	48.2
>=20000	29.9	43.4	46.6	48.4	49.6	49.7	50.3	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.7	50.7	50.7	50.7
>=18000	29.9	43.4	46.6	48.4	49.6	49.7	50.3	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.7	50.7	50.7	50.7
>=16000	30.1	43.6	46.7	48.5	49.7	49.9	50.4	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.8	50.8	50.8	50.8
>=14000	30.3	44.3	47.4	49.2	50.4	50.5	51.1	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.5	51.5	51.5	51.5
>=12000	31.6	46.6	49.9	51.8	53.1	53.3	53.8	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.2	54.2	54.2	54.2
>=10000	32.9	49.5	52.9	54.8	56.3	56.4	57.0	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.4	57.4	57.4	57.4
>= 9000	33.3	50.0	53.4	55.3	57.1	57.2	57.8	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.2	58.2	58.2	58.2
>= 8000	34.8	53.0	56.6	58.7	60.7	60.8	61.3	61.6	61.6	61.6	61.7	61.7	61.7	61.7	61.7	61.9	61.9	61.9	61.9
>= 7000	35.2	54.1	57.8	60.0	61.9	62.0	62.6	62.8	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.1	63.1	63.1	63.1
>= 6000	35.4	54.8	58.7	61.1	63.1	63.3	63.8	64.1	64.1	64.1	64.2	64.2	64.2	64.2	64.2	64.3	64.3	64.3	64.3
>= 5000	38.3	60.0	64.2	66.7	68.9	69.0	69.7	69.9	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.2	70.2	70.2	70.2
>= 4500	39.6	62.3	66.8	69.4	71.6	71.7	72.4	72.7	72.7	72.7	72.8	72.8	72.8	72.8	72.8	73.0	73.0	73.0	73.0
>= 4000	40.3	64.3	69.0	71.9	74.2	74.5	75.4	75.7	75.7	75.7	76.0	76.0	76.0	76.0	76.0	76.1	76.1	76.1	76.1
>= 3500	41.0	66.0	71.2	74.0	76.6	77.2	78.3	78.6	78.6	78.6	78.8	78.8	78.8	78.8	78.8	79.0	79.0	79.0	79.0
>= 3000	41.8	67.2	72.7	75.8	78.7	79.2	80.3	80.6	80.6	80.6	80.9	80.9	80.9	80.9	80.9	81.0	81.0	81.0	81.0
>= 2500	42.5	69.8	75.8	79.8	82.8	83.7	85.0	85.4	85.4	85.4	85.7	85.7	85.7	85.7	85.7	85.8	85.8	85.8	85.8
>= 2000	43.3	71.2	77.3	81.4	84.8	86.1	87.6	88.1	88.1	88.1	88.4	88.4	88.4	88.5	88.5	88.7	88.7	88.7	88.7
>= 1800	43.4	71.3	77.5	81.6	85.0	86.3	87.8	88.4	88.4	88.4	88.7	88.7	88.7	88.8	88.8	88.9	88.9	88.9	88.9
>= 1500	43.7	71.6	77.9	82.4	86.2	87.8	89.8	90.6	90.6	90.6	90.8	91.1	91.1	91.1	91.1	91.3	91.3	91.3	91.3
>= 1200	43.7	71.9	78.4	82.9	86.9	88.9	91.0	92.3	92.3	92.3	92.8	93.0	93.0	93.0	93.0	93.2	93.2	93.2	93.2
>= 1000	43.7	71.9	78.6	83.3	87.3	89.5	91.7	93.0	93.0	93.0	93.4	93.7	93.7	93.7	93.7	93.9	93.9	93.9	93.9
>= 900	43.9	72.1	79.0	83.7	87.7	89.9	92.5	94.0	94.1	94.1	94.5	94.8	94.8	94.8	94.8	94.9	94.9	94.9	94.9
>= 800	43.9	72.3	79.2	84.3	88.4	90.6	93.4	94.9	95.1	95.1	95.6	95.9	95.9	95.9	95.9	96.0	96.0	96.0	96.0
>= 700	43.9	72.5	79.6	84.7	88.9	91.1	94.0	95.5	95.6	95.6	96.2	96.6	96.6	96.6	96.6	96.7	96.7	96.7	96.7
>= 600	43.9	72.7	79.8	85.0	89.2	91.5	94.8	96.3	96.4	96.4	97.0	97.4	97.4	97.4	97.4	97.7	97.7	97.7	97.7
>= 500	43.9	72.7	79.8	85.0	89.2	91.8	95.5	97.0	97.1	97.1	97.8	98.6	98.6	98.6	98.6	98.9	98.9	98.9	98.9
>= 400	43.9	72.7	79.8	85.1	89.5	92.1	95.8	97.3	97.3	97.3	98.2	99.2	99.2	99.2	99.2	99.5	99.5	99.5	99.5
>= 300	43.9	72.7	79.8	85.1	89.5	92.1	95.8	97.5	97.5	97.5	98.5	99.5	99.5	99.5	99.5	99.7	99.7	99.7	99.7
>= 200	43.9	72.7	79.8	85.1	89.5	92.1	95.8	97.5	97.5	97.5	98.5	99.5	99.5	99.5	99.5	99.9	99.9	99.9	99.9
>= 100	43.9	72.7	79.8	85.1	89.5	92.1	95.8	97.5	97.5	97.5	98.5	99.5	99.5	99.5	99.9	100.0	100.0	100.0	100.0
>= 0	43.9	72.7	79.8	85.1	89.5	92.1	95.8	97.5	97.5	97.5	98.5	99.5	99.5	99.7	99.9	100.0	100.0	100.0	100.0

TOTAL NO. OF OBS : 732

043319 : ATSUGI, JAPAN  
 PERIOD OF RECORD : 1951-1987  
 CLASS : ALL WEATHER  
 CONDITION : NONE SPECIFIED

LAT. : 35 27N LONG. : 139 27E ELEV. : 214 FT  
 MONTH : APR  
 HOUR : ALL

PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)

VISIBILITY (STATUTE MILES)

CEILING	>=10	>=6	>=5	>=4	>=3	>=2 1/2	>=2 1/2	>=1 1/2	>=1 1/4	>=1	>=3/4	>=5/8	>=1/2	>=5/16	>=1/4	>=0
UNLIMIT	25.8	37.7	40.7	42.7	44.6	45.0	45.3	45.6	45.7	45.8	45.9	45.9	46.0	46.0	46.0	46.1
>=20000	26.7	40.2	43.4	45.7	47.6	48.0	48.4	48.7	48.8	48.9	49.0	49.0	49.1	49.1	49.1	49.2
>=18000	26.8	40.3	43.7	45.9	47.8	48.2	48.6	49.0	49.0	49.1	49.3	49.3	49.3	49.4	49.4	49.4
>=16000	27.0	40.5	43.8	46.1	48.0	48.4	48.8	49.2	49.2	49.3	49.5	49.5	49.6	49.6	49.6	49.6
>=14000	27.3	41.2	44.6	46.9	48.9	49.3	49.7	50.1	50.1	50.3	50.4	50.4	50.5	50.5	50.5	50.6
>=12000	28.2	42.9	46.5	49.1	51.3	51.8	52.2	52.6	52.6	52.8	52.9	52.9	53.0	53.0	53.0	53.1
>=10000	29.2	45.2	49.0	51.8	54.2	54.8	55.3	55.7	55.7	55.9	56.0	56.0	56.1	56.2	56.2	56.2
>= 9000	29.4	45.7	49.6	52.4	54.8	55.5	56.0	56.4	56.4	56.6	56.7	56.7	56.8	56.9	56.9	56.9
>= 8000	30.4	48.1	52.2	55.3	57.8	58.6	59.1	59.5	59.6	59.8	59.9	59.9	60.0	60.1	60.1	60.1
>= 7000	30.9	48.2	53.5	56.6	59.2	60.0	60.6	61.1	61.1	61.3	61.4	61.4	61.5	61.6	61.6	61.6
>= 6000	31.4	50.3	54.7	58.0	60.7	61.6	62.2	62.7	62.8	62.9	63.1	63.1	63.2	63.2	63.2	63.3
>= 5000	33.3	53.8	58.7	62.3	65.6	66.6	67.4	68.0	68.0	68.3	68.4	68.4	68.5	68.5	68.6	68.6
>= 4500	34.4	56.1	61.5	65.3	68.7	69.8	70.7	71.2	71.3	71.6	71.7	71.7	71.8	71.9	71.9	71.9
>= 4000	35.4	58.6	64.2	68.4	71.9	73.1	74.1	74.7	74.8	75.1	75.2	75.3	75.4	75.4	75.4	75.5
>= 3500	36.1	60.5	66.7	71.0	74.8	76.1	77.2	77.8	77.9	78.2	78.4	78.4	78.5	78.5	78.5	78.6
>= 3000	36.7	62.2	68.7	73.3	77.6	79.0	80.2	80.8	80.9	81.3	81.5	81.5	81.6	81.6	81.6	81.7
>= 2500	37.0	63.3	69.9	74.9	79.5	81.2	82.7	83.4	83.6	84.0	84.1	84.2	84.3	84.3	84.3	84.4
>= 2000	37.3	64.2	71.2	76.6	81.6	83.6	85.2	86.2	86.4	86.8	87.1	87.1	87.3	87.3	87.3	87.4
>= 1800	37.4	64.3	71.4	76.8	81.9	83.9	85.6	86.6	86.8	87.3	87.5	87.6	87.7	87.7	87.8	87.8
>= 1500	37.5	64.6	71.9	77.6	83.0	85.3	87.3	88.4	88.6	89.3	89.6	89.6	89.8	89.8	89.8	89.9
>= 1200	37.5	64.8	72.2	78.2	83.8	86.4	88.6	90.0	90.2	90.9	91.3	91.4	91.6	91.6	91.7	91.7
>= 1000	37.5	65.1	72.6	78.7	84.5	87.3	89.8	91.4	91.6	92.4	92.8	92.9	93.1	93.1	93.2	93.2
>= 900	37.5	65.2	72.7	78.9	84.9	87.7	90.4	92.0	92.3	93.1	93.6	93.6	93.8	93.9	93.9	94.0
>= 800	37.5	65.3	72.9	79.3	85.4	88.5	91.4	93.2	93.5	94.3	94.9	94.9	95.2	95.2	95.2	95.3
>= 700	37.5	65.3	73.0	79.4	85.7	89.0	92.0	93.8	94.1	95.0	95.7	95.7	96.0	96.1	96.1	96.2
>= 600	37.5	65.4	73.1	79.6	86.0	89.5	92.7	94.7	95.1	96.1	96.9	97.0	97.3	97.3	97.4	97.4
>= 500	37.5	65.4	73.2	79.7	86.2	89.8	93.1	95.4	95.8	97.0	98.0	98.0	98.3	98.4	98.4	98.5
>= 400	37.5	65.4	73.2	79.8	86.3	89.9	93.3	95.7	96.1	97.4	98.5	98.5	99.0	99.0	99.1	99.1
>= 300	37.5	65.4	73.2	79.8	86.4	90.0	93.4	95.8	96.2	97.6	98.8	98.9	99.4	99.4	99.5	99.6
>= 200	37.5	65.4	73.2	79.8	86.4	90.0	93.4	95.8	96.3	97.7	98.9	99.0	99.4	99.5	99.6	99.7
>= 100	37.5	65.4	73.2	79.8	86.4	90.0	93.4	95.8	96.3	97.7	98.9	99.1	99.6	99.7	99.8	99.9
>= 0	37.5	65.4	73.2	79.8	86.4	90.0	93.4	95.8	96.3	97.7	98.9	99.1	99.6	99.7	99.8	100.0

TOTAL NO. OF OPS : 5713

# 1 - SURFACE WINDS

043319 : AISUGI, JAPAN  
 PERIOD OF RECORD : 1951-1987  
 CLASS : ALL WEATHER  
 CONDITION : NONE SPECIFIED  
 LAT. : 35 27N LONG. : 139 27E ELEV. : 214 FT  
 MONTH : MAY  
 HOUR : 0000 LST

## PERCENTAGE FREQUENCY OF WIND DIRECTION VS. SPEED (FROM HOURLY OBSERVATIONS)

DIR.	SPEED (KNOTS)										TOTAL	MEAN
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	>56	% WIND
N	5.6	5.3	5.8	1.6	.0	.0	.0	.0	.0	.0	.0	21.3
NNE	1.9	2.9	2.1	.5	.0	.0	.0	.0	.0	.0	.0	7.3
NE	1.3	1.5	.6	.0	.0	.0	.0	.0	.0	.0	.0	3.5
NNE	.4	.4	.3	.1	.0	.0	.0	.0	.0	.0	.0	1.2
E	1.3	.7	.2	.0	.0	.0	.0	.0	.0	.0	.0	2.3
ESE	.4	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.6
SE	.0	.6	.1	.0	.0	.0	.0	.0	.0	.0	.0	1.6
SSE	.9	.8	.7	.2	.0	.0	.0	.0	.0	.0	.0	2.6
S	2.4	3.6	3.3	3.3	.3	.0	.0	.0	.0	.0	.0	13.4
SSW	1.6	2.4	2.5	2.1	.4	.0	.0	.0	.0	.0	.0	9.0
SW	1.2	.8	.7	.1	.0	.1	.0	.0	.0	.0	.0	3.0
SSW	.2	.6	.2	.0	.0	.0	.0	.0	.0	.0	.0	1.0
W	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.0
WNW	.1	.6	.1	.0	.0	.0	.0	.0	.0	.0	.0	1.2
NW	.1	1.0	.6	.1	.0	.0	.0	.0	.0	.0	.0	2.3
NNW	2.4	3.7	1.4	1.0	.2	.0	.0	.0	.0	.0	.0	8.8
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CLW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	19.9
ALL	22.5	28.3	19.3	9.1	.9	.1	.0	.0	.0	.0	.0	100.0

TOTAL NO. OF OBS : 971

NOTES : PERCENT < .05

# 1 - SURFACE WINDS

043319 : AISUGI, JAPAN  
 PERIOD OF RECORD : 1951-1987  
 CLASS : ALL WEATHER  
 CONDITION : NONE SPECIFIED

LAT. : 35 27N LONG. : 139 27E ELEV. : 214 FT  
 MONTH : MAY  
 HOUR : 0300 LST

## PERCENTAGE FREQUENCY OF WIND DIRECTION VS SPEED (FROM HOURLY OBSERVATIONS)

16 PT. DIR.		SPEED (KNOTS)																TOTAL %	MEAN WIND SPEED
1	2	3	4	5	6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	>=56					
N	1.3	11.2	6.5	2.5	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	27.6	5.7			
NNE	3.3	3.3	2.6	.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	9.6	5.3			
NE	1.4	1.8	.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	4.1	4.6			
ENE	.4	.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.1	3.8			
E	.4	.2	.0	.0	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0	.7	3.4			
ESE	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	5.0			
SE	.6	.3	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.0	3.7			
SSE	.4	.7	.6	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.9	6.8			
S	1.1	1.6	2.8	2.5	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	8.4	8.8			
SSW	1.1	1.1	1.2	1.4	.5	.1	.0	.0	.0	.0	.0	.0	.0	.0	5.5	6.9			
SW	.2	.5	.2	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.1	5.1			
WSW	.9	.2	.1	.0	.0	.1	.0	.0	.1	.0	.0	.0	.0	.0	1.2	4.6			
W	.4	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.6	3.0			
WNW	.8	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.0	2.2			
NW	1.9	1.9	.2	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	4.3	4.3			
NNW	4.3	5.5	3.0	.5	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	13.6	5.1			
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0			
CLM	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	18.0	.0			
ALL	24.8	29.7	18.2	7.8	1.2	.3									100.0	4.8			

TOTAL NO. OF OBS : 978

NOTES : A = PERCENT < .05



# 1 - SURFACE WINDS

043319 : ATSUGI, JAPAN  
 PERIOD OF RECORD : 1951-1987  
 CLASS : ALL WEATHER  
 CONDITION : NONE SPECIFIED

LAT. : 35 27N LONG. : 139 27E ELEV. : 214 FT  
 MONTH : MAY  
 HOUR : 0600 LST

## PERCENTAGE FREQUENCY OF WIND DIRECTION VS SPEED (FROM HOURLY OBSERVATIONS)

16 FT. DIR.	SPEED (KNOTS)										TOTAL %	MEAN WIND SPEED
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55		
N	9.0	15.2	6.7	2.6	.6	.0	.0	.0	.0	.0	34.0	5.7
NNE	3.2	4.6	2.9	.6	.1	.0	.0	.0	.0	.0	11.3	5.6
NE	1.7	1.4	1.1	.0	.0	.1	.0	.0	.0	.0	4.2	5.0
ENE	.4	.6	.3	.1	.0	.0	.0	.0	.0	.0	1.3	5.4
E	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.2	2.5
ESE	.2	.1	.1	.0	.0	.0	.0	.0	.0	.0	.4	3.8
SE	.1	.2	.0	.0	.0	.0	.0	.0	.0	.0	.3	3.7
SSE	.4	.3	.3	.2	.0	.0	.0	.0	.0	.0	1.1	6.3
S	1.1	1.5	2.1	1.5	.4	.5	.0	.0	.0	.0	7.0	9.3
SSW	.4	.6	.9	1.9	.2	.3	.0	.0	.0	.0	4.2	11.2
SW	.2	.3	.4	.2	.0	.1	.0	.0	.0	.0	1.1	8.0
WSW	.4	.3	.3	.0	.0	.0	.0	.0	.0	.0	.9	4.5
W	.4	.1	.0	.1	.0	.0	.0	.0	.0	.0	.6	4.0
WNW	1.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	1.2	2.2
NW	1.0	1.2	.3	.1	.0	.0	.0	.0	.0	.0	2.6	4.7
NNW	3.9	5.2	2.5	.5	.2	.0	.0	.0	.0	.0	12.1	5.2
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CLW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	17.5	.0
ALL	23.3	31.6	17.8	7.6	1.4	.9	.0	.0	.0	.0	100.0	5.0

TOTAL NO. OF OBS : 1087

NOTES : \* = PERCENT < .05

# 1 - SURFACE WINDS

043319 : ATSUGI, JAPAN  
 PERIOD OF RECORD : 1951-1987  
 CLASS : ALL WEATHER  
 CONDITION : NONE SPECIFIED

LAT. : 35 27N LONG. : 139 27E ELEV. : 214 FT  
 MONTH : MAY  
 HOUR : 0900 LST

## PERCENTAGE FREQUENCY OF WIND DIRECTION VS SPEED (FROM HOURLY OBSERVATIONS)

16 PT.		SPEED (KNOTS)																TOTAL %		MEAN WIND SPEED																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																	
DIR.		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																
DIR.		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																
N	2.1	4.2	7.5	4.0	.5	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0

TOTAL NO. OF OBS : 1050

NOTES : PERCENT < .05

# 1 - SURFACE WINDS

043319 : ATSUGI, JAPAN  
 PERIOD OF RECORD : 1951-1987  
 CLASS : ALL WEATHER  
 CONDITION : NONE SPECIFIED

LAT. : 35 27N LONG. : 139 27E ELEV. : 214 FT  
 MONTH : MAY  
 HOUR : 1200 LST

## PERCENTAGE FREQUENCY OF WIND DIRECTION VS SPEED (FROM HOURLY OBSERVATIONS)

16 PT.	1	2	3	4	5	6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	>=56	TOTAL	MEAN
DIR.	1	2	3	4	5	6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	>=56	%	WIND SPEED
N	.6	2.4	3.2	3.0	.3	.2	.3	.0	.0	.0	.0	.0	.0	.0	.0	9.7	9.3
NNE	.7	2.1	2.6	1.2	.3	.0	.3	.0	.0	.0	.0	.0	.0	.0	.0	6.8	8.1
NE	.4	1.9	2.9	1.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	6.4	7.9
ENE	.4	1.9	1.3	.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	4.3	7.1
E	.5	1.6	1.8	.5	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	4.5	7.4
ESE	.8	1.9	1.7	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	4.5	5.8
SE	.3	1.8	.8	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.9	6.1
SSE	.7	2.0	2.9	2.3	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	8.2	8.9
S	.4	3.5	11.5	12.1	2.7	.5	.5	.0	.0	.0	.0	.0	.0	.0	.0	30.7	11.2
SSW	.4	1.3	4.7	4.5	1.0	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	12.3	11.3
SW	.3	.8	1.2	.5	.3	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.2	9.0
WSW	.0	.3	.1	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.6	9.0
W	.3	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.4	2.5
WNW	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	5.0
NW	.0	.1	.0	.3	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.5	12.0
NNW	.1	.6	.7	.8	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.3	10.4
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CL4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.8	.0
ALL	5.5	22.2	35.4	27.5	5.4	1.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0	9.2

TOTAL NO. OF OBS : 1066

NOTES : \* = PERCENT < .05

# 1 - SURFACE WINDS

C43319 : ATSUGI, JAPAN  
 PERIOD OF RECORD : 1951-1987  
 CLASS : ALL WEATHER  
 CONDITION : NONE SPECIFIED

LAT. : 35 27N LONG. : 139 27E ELEV. : 214 FT  
 MONTH : MAY  
 HOUR : 1500 LST

## PERCENTAGE FREQUENCY OF WIND DIRECTION VS SPEED (FROM HOURLY OBSERVATIONS)

16 PT.	1	3	4	6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	>=56	TOTAL	MEAN
DIR.														%	WIND SPEED
N	.2	1.0	2.3	2.0	.3	.0	.0	.0	.0	.0	.0	.0	.0	5.8	9.9
NNE	.2	1.6	1.3	.6	.3	.0	.0	.0	.0	.0	.0	.0	.0	4.0	8.3
NE	.2	1.0	1.0	.6	.1	.0	.0	.0	.0	.0	.0	.0	.0	2.9	6.4
ENE	.5	1.1	1.1	.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.2	7.1
E	.3	1.8	3.0	1.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	6.4	8.1
ESE	.7	.7	1.6	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.0	7.2
SE	.4	1.1	1.8	.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.8	7.5
SSE	.6	1.4	2.3	1.4	.3	.0	.0	.0	.0	.0	.0	.0	.0	5.9	8.7
S	.8	3.5	11.4	18.3	4.8	.2	.0	.0	.0	.0	.0	.0	.0	39.1	11.8
SSW	.0	1.0	7.1	7.0	1.5	.6	.2	.0	.0	.0	.0	.0	.0	17.5	11.9
SW	.1	.4	1.7	1.0	.2	.1	.0	.0	.0	.0	.0	.0	.0	3.4	10.6
WSW	.4	.6	.1	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.4	6.0
W	.2	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.5	3.6
WNW	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	4.5
NW	.0	.2	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.5	7.6
NNW	.0	.5	.6	.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.8	9.8
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CLM	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.9	.0
ALL	4.1	16.3	35.5	34.5	7.5	.9	.2	.0	.0	.0	.0	.0	.0	100.0	10.3

TOTAL NO. OF OBS : 1083

NOTES : \* = PERCENT < .05

# 1 - SURFACE WINDS

043319 : ATSUGI, JAPAN  
 PERIOD OF RECORD : 1951-1987  
 CLASS : ALL WEATHER  
 CONDITION : NONE SPECIFIED

LAT. : 35 27N LONG. : 139 27E ELEV. : 214 FT  
 MONTH : MAY  
 HOUR : 1800 LST

## PERCENTAGE FREQUENCY OF WIND DIRECTION VS SPEED (FROM HOURLY OBSERVATIONS)

16 PT.		SPEED (KNOTS)																TOTAL		MEAN
DIP.		1	- 3	4	- 6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	>56	%		WIND			
																	SPEED			
N		.5		2.6		2.6	1.6	.2	.0	.0	.0	.0	.0	.0	7.6		8.0			
NNE		.4		.9		1.1	.5	.0	.0	.0	.0	.0	.0	.0	2.9		7.3			
NE		.5		.8		.9	.7	.0	.0	.0	.0	.0	.0	.0	2.9		7.6			
ENE		.5		1.1		.8	.2	.1	.0	.0	.0	.0	.0	.0	2.6		6.7			
E		.5		1.6		2.2	.6	.0	.0	.0	.0	.0	.0	.0	5.0		7.2			
ESE		.5		1.1		1.0	.1	.0	.0	.0	.0	.0	.0	.0	2.6		6.2			
SE		.5		1.4		1.1	.1	.0	.0	.0	.0	.0	.0	.0	3.0		5.8			
SSE		.5		1.5		2.4	.7	.0	.0	.0	.0	.0	.0	.0	5.0		7.6			
S		1.7		7.2		15.1	11.4	1.2	.3	.0	.0	.0	.0	.0	36.9		9.4			
SSW		1.1		3.6		7.3	5.3	.3	.1	.0	.0	.0	.0	.0	18.2		9.4			
SW		.3		1.6		1.4	.8	.0	.0	.0	.0	.0	.0	.0	4.0		7.5			
WSW		.5		.5		.2	.3	.0	.0	.0	.0	.0	.0	.0	1.4		6.3			
W		.3		.5		.1	.0	.0	.0	.0	.0	.0	.0	.0	.8		4.3			
WNW		.0		.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0			
NW		.2		.1		.2	.0	.1	.0	.0	.0	.0	.0	.0	.5		7.2			
NNW		.3		.7		1.0	1.0	.0	.0	.0	.0	.0	.0	.0	3.0		8.8			
VAR		.0		.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0			
CLW		.0		.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	3.5		.0			
ALL		9.0		25.1		37.3	23.4	2.4	.4	.0	.0	.0	.0	.0	100.0		8.2			

TOTAL NO. OF OBS : 1096

TOTAL NO. OF OBS : 1096

NOTES : \* = PERCENT < .05

# 1 - SURFACE WINDS

043319 : ATSUGI, JAPAN  
 PERIOD OF RECORD : 1951-1987  
 CLASS : ALL WEATHER  
 CONDITION : NONE SPECIFIED

LAT. : 35 27N LONG. : 139 27E ELEV. : 214 FT  
 MONTH : MAY  
 HOUR : 2100 LST

## PERCENTAGE FREQUENCY OF WIND DIRECTION VS SPEED (FROM HOURLY OBSERVATIONS)

16 PT. DIR.		SPEED (KNOTS)															TOTAL	MEAN	
1	-3	4	-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	>=56	%	WIND	SPEED				
N	2.7	4.1	3.1	1.9	.1	.0	.0	.0	.0	.0	.0	.0	11.9	6.6					
NNE	1.1	2.0	2.7	.9	.2	.0	.0	.0	.0	.0	.0	.0	6.9	7.2					
NE	.5	2.1	1.4	.3	.0	.0	.0	.0	.0	.0	.0	.0	4.3	6.3					
ENE	.5	1.3	.7	.1	.0	.0	.0	.0	.0	.0	.0	.0	2.7	5.8					
E	1.0	1.4	.3	.1	.0	.0	.0	.0	.0	.0	.0	.0	2.7	4.4					
ESE	.5	1.1	.5	.1	.0	.0	.0	.0	.0	.0	.0	.0	2.1	5.3					
SE	1.6	.6	.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.8	3.9					
SSE	1.7	2.2	1.5	.6	.0	.0	.1	.0	.0	.0	.0	.0	6.1	6.0					
S	3.1	6.9	9.5	3.4	.6	.0	.0	.1	.0	.0	.0	.0	23.6	7.6					
SSW	2.2	4.2	3.6	3.3	.3	.1	.0	.0	.0	.0	.0	.0	13.6	7.8					
SW	.8	.5	.9	.5	.0	.0	.0	.0	.0	.0	.0	.0	2.7	6.6					
WSW	.5	.5	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	1.3	5.1					
W	.5	.2	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.8	3.2					
WNW	.5	.4	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.1	3.7					
NW	.6	.8	.2	.1	.0	.0	.0	.1	.0	.0	.0	.0	1.8	5.8					
NNW	1.0	1.7	1.2	1.2	.2	.0	.0	.0	.0	.0	.0	.0	5.3	7.6					
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0					
CLM	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	10.2	.0					
ALL	19.1	30.1	26.2	12.6	1.4	.1	.2	.1	.1	.0	.0	.0	100.0	6.1					

TOTAL NO. OF OBS : 1092

NOTES :  
 \* = PERCENT < .05

# 1 - SURFACE WINDS

043319 : ATSUGI, JAPAN  
 PERIOD OF RECORD : 1951-1987  
 CLASS : ALL WEATHER  
 CONDITION : NONE SPECIFIED

LAT. : 35 27N LONG. : 139 27E ELEV. : 214 FT  
 MONTH : MAY  
 HOUR : ALL

## PERCENTAGE FREQUENCY OF WIND DIRECTION VS SPEED (FROM HOURLY OBSERVATIONS)

SPEED (KNOTS)														TOTAL %	MEAN WIND SPEED
16 PT. DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	>=56				
N	3.4	6.1	4.7	2.4	.2	.0*	.0	.0	.0	.0	.0	16.8	6.7		
NNE	1.6	2.7	2.6	.9	.1	.0	.0	.0	.0	.0	.0	7.9	6.7		
NE	.9	1.7	1.5	.4	.0*	.0*	.0	.0	.0	.0	.0	4.6	6.4		
ENE	.5	1.1	.7	.2	.0*	.0	.0	.0	.0	.0	.0	2.5	6.2		
E	.6	1.1	1.0	.3	.0*	.0*	.0	.0	.0	.0	.0	3.0	6.6		
ESE	.4	.8	.7	.1	.0	.0	.0	.0	.0	.0	.0	2.0	5.7		
SE	.7	.8	.6	.1	.0	.0	.0	.0	.0	.0	.0	2.2	5.4		
SSE	.8	1.3	1.5	.7	.1	.0	.0*	.0	.0	.0	.0	4.4	7.3		
S	1.7	4.0	7.7	7.2	1.4	.2	.0	.0*	.0	.0	.0	22.3	9.8		
SSW	1.0	2.0	3.7	3.6	.7	.2	.0*	.0	.0	.0	.0	11.3	9.8		
SW	.5	.7	.9	.5	.1	.0*	.0	.0	.0	.0	.0	2.6	7.7		
WSW	.4	.4	.1	.1	.0	.0*	.0	.0	.0	.0	.0	1.1	5.6		
W	.4	.2	.0*	.0*	.0	.0	.0	.0	.0	.0	.0	.7	3.3		
WNW	.4	.2	.0*	.0	.0	.0	.0	.0	.0	.0	.0	.7	3.1		
NW	.6	.7	.3	.1	.0*	.0*	.0*	.0	.0	.0	.0	1.7	5.6		
NNW	1.5	2.2	1.5	.9	.1	.0	.0	.0	.0	.0	.0	6.2	6.5		
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		
CLM	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	10.0	.0		
ALL	15.4	26.0	27.4	17.7	2.8	.6	.0*	.0*	.0	.0	.0	100.0	7.0		

TOTAL NO. OF OBS : 8423

NOTES :  
 \* = PERCENT < .05

2 - CEILING VS VISIBILITY

043319 : ATSUGI, JAPAN  
PERIOD OF RECORD : 1951-1987  
CLASS : ALL WEATHER  
CONDITION : NONE SPECIFIED

LAT. : 35 27N LONG. : 139 27E ELEV. : 214 FT  
MONTH : MAY  
HOUR : 0000 LST

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

CEILING	VISIBILITY (STATUTE MILES)															
	>=10	>=6	>=5	>=4	>=3	>=2 1/2	>=2 1/2	>=1 1/2	>=1 1/4	>=1	>=3/4	>=5/8	>=1/2	>=5/16	>=1/4	>=0
UNLIMIT	25.4	37.5	41.1	43.0	45.5	46.6	47.6	48.3	48.3	48.8	49.2	49.2	49.4	49.4	49.7	49.9
>=20000	26.1	39.7	43.7	45.5	48.1	49.2	50.2	50.9	50.9	51.5	51.9	51.9	52.0	52.0	52.3	52.6
>=18000	26.1	40.0	43.9	45.7	48.4	49.5	50.5	51.2	51.2	51.7	52.2	52.2	52.3	52.3	52.6	52.9
>=16000	26.5	40.4	44.4	46.2	48.8	49.9	50.9	51.6	51.6	52.2	52.6	52.6	52.7	52.7	53.0	53.3
>=14000	27.5	41.7	45.6	47.4	50.2	51.3	52.3	53.0	53.0	53.6	54.0	54.0	54.1	54.1	54.4	54.7
>=12000	28.0	43.7	47.7	49.5	52.4	53.6	54.5	55.2	55.2	55.8	56.2	56.2	56.3	56.3	56.6	56.9
>=10000	29.4	46.3	50.9	53.0	56.1	57.2	58.2	58.9	58.9	59.4	59.8	59.8	60.0	60.0	60.3	60.5
>=9000	29.7	47.0	51.6	53.7	56.8	57.9	59.0	59.7	59.7	60.3	60.7	60.7	60.8	60.8	61.1	61.4
>=8000	31.1	49.1	54.0	56.3	59.4	60.7	61.8	62.5	62.5	63.0	63.5	63.5	63.6	63.6	63.9	64.2
>=7000	31.7	50.2	55.8	58.3	61.5	62.8	63.9	64.7	64.7	65.3	65.7	65.7	65.8	65.8	66.1	66.4
>=6000	32.6	51.9	57.5	60.0	63.2	64.6	65.8	66.7	66.7	67.2	67.6	67.6	67.8	67.8	68.1	68.3
>=5000	33.9	53.8	59.8	62.5	65.8	67.6	68.9	69.9	69.9	70.4	70.9	70.9	71.0	71.0	71.3	71.5
>=4500	34.9	55.2	61.2	63.9	67.4	69.2	70.4	71.4	71.4	72.0	72.4	72.4	72.5	72.5	72.8	73.1
>=4000	35.3	56.8	63.0	66.0	69.5	71.3	73.1	74.1	74.1	74.6	75.0	75.0	75.2	75.2	75.5	75.7
>=3500	36.3	58.9	65.4	68.5	72.2	74.5	76.3	77.3	77.3	77.8	78.2	78.2	78.4	78.4	78.7	78.9
>=3000	37.1	60.8	67.6	71.0	75.3	77.7	79.6	80.6	80.6	81.2	81.6	81.6	81.7	81.7	82.0	82.3
>=2500	37.7	62.3	69.7	73.2	77.8	80.3	82.3	83.3	83.3	84.0	84.4	84.4	84.5	84.5	84.8	85.1
>=2000	38.1	63.7	71.5	75.2	80.1	82.7	84.7	85.6	85.6	86.6	87.0	87.0	87.2	87.2	87.4	87.7
>=1800	38.4	64.0	72.0	75.6	80.6	83.3	85.4	86.3	86.3	87.3	87.7	87.7	87.9	87.9	88.1	88.4
>=1500	38.6	64.6	72.8	76.7	81.9	84.7	86.8	87.7	87.7	89.0	89.4	89.4	89.5	89.5	89.8	90.1
>=1200	38.8	65.0	73.2	77.3	82.8	85.6	87.7	88.8	88.8	90.1	90.5	90.5	90.7	90.7	90.9	91.2
>=1000	38.8	65.4	73.8	78.0	83.7	86.8	89.0	90.4	90.4	91.6	92.1	92.1	92.2	92.2	92.5	92.7
>=900	38.8	65.4	73.8	78.1	84.2	87.3	89.8	91.2	91.2	92.6	93.0	93.0	93.2	93.2	93.4	93.7
>=800	38.8	65.4	73.8	78.1	84.4	87.6	90.2	91.6	91.6	93.3	93.9	93.9	94.0	94.0	94.3	94.6
>=700	38.9	65.6	73.9	78.2	84.5	88.3	90.9	92.5	92.5	94.1	94.8	94.8	95.0	95.0	95.3	95.5
>=600	38.9	65.6	73.9	78.2	84.7	88.4	91.5	93.0	93.0	94.7	95.7	95.7	95.8	95.8	96.1	96.4
>=500	38.9	65.7	74.2	78.7	85.1	88.8	92.3	94.1	94.1	96.0	96.9	96.9	97.2	97.2	97.5	97.8
>=400	38.9	65.7	74.2	78.7	85.1	88.8	92.5	94.3	94.3	96.2	97.4	97.4	97.6	97.6	97.9	98.2
>=300	38.9	65.7	74.2	78.7	85.1	89.1	92.7	94.6	94.6	96.5	97.6	97.6	98.0	98.0	98.3	98.6
>=200	38.9	65.8	74.3	78.8	85.2	89.3	93.0	94.8	94.8	96.8	98.0	98.0	98.2	98.2	98.5	98.8
>=100	38.9	65.8	74.3	78.8	85.2	89.3	93.0	95.0	95.0	96.9	98.2	98.2	98.3	98.3	98.6	98.9
>=0	38.9	65.8	74.3	78.8	85.2	89.3	93.0	95.0	95.3	96.9	98.2	98.2	98.3	98.3	98.6	98.9

TOTAL NO. OF OBS : 717



2 - CEILING VS VISIBILITY

043319 : ATSUGI, JAPAN  
PERIOD OF RECORD : 1951-1987  
CLASS : ALL WEATHER  
CONDITION : NONE SPECIFIED

LAT. : 35 27N LONG. : 139 27E ELEV. : 214 FT  
MONTH : MAY  
HOUR : 0300 LST

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

CEILING	VISIBILITY (STATUTE MILES)															
	>=10	>=6	>=5	>=4	>=3	>=2 1/2	>=2	>=1 1/2	>=1	>=1 1/4	>=3/4	>=5/8	>=1/2	>=5/16	>=1/4	>=0
UNLIMIT	21.7	32.7	36.8	40.0	42.5	43.5	44.4	45.0	45.1	45.8	46.1	46.1	46.4	46.4	46.4	46.7
>=20000	22.6	35.8	40.1	43.5	46.2	47.2	48.3	49.0	49.2	49.9	50.1	50.1	50.4	50.4	50.4	50.7
>=18000	22.6	35.8	40.3	43.6	46.4	47.4	48.5	49.3	49.4	50.1	50.4	50.4	50.7	50.7	50.7	51.0
>=16000	22.7	36.1	40.5	43.9	46.7	47.6	48.7	49.6	49.7	50.4	50.7	50.7	51.0	51.0	51.0	51.3
>=14000	23.3	37.2	41.8	45.1	47.9	48.9	50.0	50.8	51.0	51.7	52.1	52.1	52.4	52.4	52.4	52.6
>=12000	24.2	39.1	43.9	47.5	50.6	51.5	52.6	53.5	53.6	54.3	54.7	54.7	55.0	55.0	55.0	55.3
>=10000	26.2	42.3	47.4	51.3	54.5	55.4	56.7	57.5	57.7	58.4	58.8	58.8	59.1	59.1	59.1	59.3
>=9000	26.3	42.8	47.9	51.8	55.0	56.1	57.5	58.4	58.5	59.2	59.6	59.6	59.9	59.9	59.9	60.2
>=8000	27.4	44.8	50.3	54.2	57.7	58.9	60.3	61.1	61.3	62.0	62.4	62.4	62.7	62.7	62.8	63.1
>=7000	28.6	46.4	51.9	56.7	59.6	61.0	62.4	63.2	63.4	64.1	64.5	64.5	64.8	64.8	64.9	65.2
>=6000	29.4	47.4	52.9	57.1	60.7	62.1	63.5	64.5	64.6	65.3	65.7	65.7	66.0	66.0	66.2	66.4
>=5000	30.9	50.1	56.1	60.6	64.6	66.0	67.5	68.7	68.8	69.5	69.9	69.9	70.2	70.2	70.3	70.6
>=4500	32.5	52.1	58.4	62.8	67.0	68.5	70.2	71.3	71.4	72.1	72.6	72.6	72.8	72.8	73.0	73.3
>=4000	33.0	53.6	60.7	65.5	69.8	71.4	73.1	74.4	74.5	75.2	75.8	75.8	76.0	76.0	76.2	76.5
>=3500	33.3	55.2	62.4	67.1	71.4	73.4	75.1	76.3	76.5	77.2	77.7	77.7	78.0	78.0	78.1	78.4
>=3000	33.8	57.4	64.6	69.5	74.0	76.0	77.7	79.0	79.1	79.8	80.4	80.4	80.6	80.6	80.8	81.1
>=2500	34.4	58.5	66.0	71.0	75.6	77.7	79.5	80.8	80.9	81.6	82.2	82.2	82.5	82.5	82.6	82.9
>=2000	34.8	59.6	67.3	72.3	77.0	79.4	81.6	82.9	83.0	83.7	84.3	84.3	84.5	84.5	84.7	85.0
>=1800	34.8	59.7	67.4	72.6	77.6	79.9	82.2	83.4	83.6	84.4	85.0	85.0	85.2	85.2	85.4	85.7
>=1500	35.0	60.0	68.0	73.5	79.1	81.5	83.7	85.1	85.4	86.2	86.9	86.9	87.3	87.3	87.5	87.7
>=1200	35.1	60.3	68.5	74.4	80.4	82.7	85.2	86.8	87.0	88.2	88.9	88.9	89.3	89.3	89.4	89.7
>=1000	35.1	60.4	68.8	74.9	81.3	83.7	86.5	88.2	88.4	89.6	90.4	90.4	90.8	90.8	90.9	91.2
>=900	35.1	60.4	68.9	75.1	81.6	84.1	87.0	89.1	89.4	90.5	91.4	91.4	91.8	91.8	91.9	92.2
>=800	35.1	60.7	69.4	75.6	82.2	84.7	87.9	90.0	90.3	91.6	92.6	92.6	93.0	93.0	93.2	93.5
>=700	35.1	61.0	69.6	76.2	82.7	85.5	88.9	91.1	91.5	92.9	93.9	93.9	94.3	94.3	94.4	94.7
>=600	35.1	61.0	69.8	76.5	83.0	86.4	90.1	92.6	93.0	94.6	95.5	95.5	96.0	96.0	96.1	96.4
>=500	35.1	61.0	69.8	76.5	83.1	86.5	90.4	92.9	93.3	95.0	96.0	96.0	96.4	96.4	96.5	96.8
>=400	35.1	61.0	69.8	76.6	83.3	86.9	91.2	93.9	94.3	96.2	97.4	97.4	97.9	97.9	98.1	98.3
>=300	35.1	61.0	69.8	76.6	83.3	86.9	91.2	94.0	94.4	96.5	97.6	97.6	98.3	98.3	98.5	98.7
>=200	35.1	61.0	69.8	76.6	83.3	87.2	91.5	94.4	94.8	96.9	98.1	98.1	98.7	98.7	98.9	99.2
>=100	35.1	61.0	69.8	76.6	83.3	87.2	91.5	94.6	95.0	97.1	98.5	98.5	99.4	99.4	99.6	99.9
>= 0	35.1	61.0	69.8	76.6	83.3	87.2	91.5	94.6	95.0	97.1	98.5	98.5	99.4	99.4	99.6	100.0

TOTAL NO. OF OBS : 718

## 2 - CEILING VS VISIBILITY

043319 : ATSUGI, JAPAN  
 PERIOD OF RECORD : 1951-1987  
 CLASS : ALL WEATHER  
 CONDITION : NONE SPECIFIED

LAT. : 35 27N LONG. : 139 27E ELEV. : 214 FT  
 MONTH : MAY  
 HOUR : 0600 LST

PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)

CEILING	VISIBILITY (STATUTE MILES)											
	>=10	>=6	>=5	>=4	>=3	>=2	1/2	>=2	1/2	>=1	1/2	>=1
UNLIMIT	14.2	22.5	27.3	30.0	36.1	38.3	40.2	41.3	41.7	41.9	42.1	42.1
>=20000	15.0	24.5	29.6	32.8	39.3	41.6	43.7	44.8	45.2	45.5	45.9	46.1
>=18000	15.7	25.2	30.3	33.5	39.9	42.3	44.4	45.5	45.9	46.1	46.6	46.6
>=16000	16.0	25.6	30.7	33.9	40.4	42.8	44.9	46.0	46.4	46.7	47.1	47.1
>=14000	16.5	26.4	31.8	35.0	41.6	44.4	46.6	47.7	48.1	48.3	48.9	49.6
>=12000	17.2	27.4	32.9	36.2	43.1	46.0	48.3	49.4	49.9	50.4	51.1	51.1
>=10000	18.2	29.9	36.0	39.7	46.8	49.9	52.2	53.9	54.3	54.8	55.6	55.6
>=9000	18.6	30.4	36.5	40.4	47.5	50.7	53.0	54.8	55.2	55.8	56.6	56.6
>=8000	19.3	32.2	38.7	43.1	50.4	54.1	56.9	59.0	59.5	60.1	60.9	60.9
>=7000	20.2	33.9	40.4	44.8	52.3	56.1	58.8	60.9	61.4	62.0	62.8	62.8
>=6000	20.9	35.4	42.0	46.7	54.3	58.3	61.0	63.2	63.8	64.3	65.2	65.2
>=5000	22.2	37.6	44.4	50.0	58.3	62.4	65.3	67.5	68.0	69.1	70.1	70.1
>=4500	22.5	39.1	46.0	51.7	60.2	64.3	67.2	69.7	70.2	71.5	72.5	72.5
>=4000	23.0	40.8	48.1	54.1	63.2	67.4	70.2	72.7	73.3	74.5	75.5	75.5
>=3500	23.6	42.1	49.7	55.8	65.0	69.1	72.2	74.8	75.3	76.6	77.5	77.5
>=3000	24.0	43.0	50.8	56.9	66.4	70.7	73.8	76.6	77.1	78.4	79.6	79.6
>=2500	24.1	43.5	51.5	58.0	67.8	72.7	76.3	79.1	79.6	80.9	82.1	82.1
>=2000	24.2	44.5	52.9	59.9	69.7	74.9	78.8	81.5	82.1	83.5	84.7	84.7
>=1800	24.2	44.5	52.9	59.9	69.7	74.9	79.1	82.0	82.5	83.9	85.1	85.1
>=1500	24.2	45.0	53.6	60.6	70.5	76.0	80.4	83.6	84.2	85.5	86.9	86.9
>=1200	24.2	45.3	53.9	61.2	71.1	76.7	81.4	84.6	85.1	86.6	88.0	88.0
>=1000	24.4	45.5	54.1	61.4	71.3	77.1	82.2	85.4	86.0	87.9	89.4	89.4
>=900	24.4	45.6	54.4	61.7	71.6	77.7	82.8	86.0	86.5	88.6	90.2	90.2
>=800	24.5	45.7	54.7	62.0	72.0	78.5	83.7	86.9	87.5	89.5	91.5	91.5
>=700	24.5	45.7	54.7	62.0	72.2	78.8	84.8	88.0	88.7	90.9	93.0	93.0
>=600	24.5	45.7	54.8	62.1	72.6	79.5	85.8	89.1	89.8	92.4	94.8	94.8
>=500	24.5	45.7	54.8	62.3	72.7	79.6	86.4	89.7	90.4	93.5	96.4	96.4
>=400	24.5	45.7	54.8	62.3	72.9	79.8	86.8	90.2	90.9	94.2	97.2	97.2
>=300	24.5	45.7	54.8	62.3	72.9	79.8	87.1	90.5	91.2	94.5	97.5	97.5
>=200	24.5	45.7	54.8	62.3	72.9	79.8	87.1	90.5	91.3	94.8	97.8	97.8
>=100	24.5	45.7	54.8	62.3	72.9	79.8	87.1	90.5	91.3	94.8	97.8	97.8
>=0	24.5	45.7	54.8	62.3	72.9	79.8	87.1	90.5	91.3	94.8	97.8	97.8

TOTAL NO. OF OPS : 726

# 2 - CEILING VS VISIBILITY

043319 : ATSUGI, JAPAN  
 PERIOD OF RECORD : 1951-1987  
 CLASS : ALL WEATHER  
 CONDITION : NONE SPECIFIED

LAT. : 35 27N LONG. : 139 27E ELEV. : 214 FT  
 MONTH : MAY  
 HOUR : 0900 LST

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING	VISIBILITY (STATUTE MILES)									
	>=10	>=6	>=5	>=4	>=3	>=2	1/2	>=1	1/4	>=1/8
UNLIMIT	18.3	33.0	36.8	39.2	42.9	44.0	44.3	44.3	44.3	44.3
>=2000	19.3	35.6	39.6	42.8	47.0	48.3	48.6	48.6	48.6	48.6
>=18000	19.5	35.9	40.0	43.2	47.4	48.8	49.0	49.0	49.0	49.0
>=16000	19.5	36.3	41.0	44.2	48.3	49.7	50.0	50.0	50.0	50.0
>=14000	19.7	37.1	42.0	45.6	49.7	51.2	51.7	51.7	51.7	51.7
>=12000	20.1	38.6	44.3	48.2	52.9	54.4	55.0	55.0	55.0	55.0
>=10000	20.6	40.7	46.5	50.7	55.5	57.1	57.8	57.9	57.9	57.9
>= 9000	20.8	41.4	47.2	51.4	56.2	57.8	58.4	58.6	58.6	58.6
>= 8000	21.3	43.5	49.6	54.3	59.7	61.2	61.9	62.0	62.0	62.0
>= 7000	21.9	44.6	51.2	56.0	61.4	62.9	63.7	63.9	64.0	64.0
>= 6000	22.3	46.3	52.9	57.6	63.2	64.7	65.1	65.5	65.8	65.9
>= 5000	23.3	48.5	55.5	60.8	66.6	68.3	69.0	69.7	70.1	70.2
>= 4500	24.0	49.9	56.9	62.7	68.8	70.3	71.6	72.4	72.9	73.0
>= 4000	24.5	52.8	60.1	66.2	72.6	74.8	76.0	77.3	77.6	77.6
>= 3500	25.5	55.7	63.4	70.1	77.0	79.8	81.3	82.5	83.0	83.1
>= 3000	25.6	56.4	64.3	71.2	78.5	81.6	83.2	84.6	85.2	85.3
>= 2500	25.8	57.2	65.4	72.3	79.9	83.4	85.0	86.4	87.0	87.1
>= 1800	25.8	57.3	65.7	72.6	80.2	83.8	85.5	86.4	87.5	87.7
>= 1500	25.9	58.0	66.6	73.5	81.7	85.5	87.1	88.2	89.1	89.5
>= 1200	26.2	58.4	67.2	74.1	82.7	86.6	88.2	89.3	90.4	90.9
>= 1000	26.2	58.6	67.5	74.4	83.0	87.0	89.3	90.7	92.4	92.5
>= 900	26.2	58.7	67.9	75.1	84.2	88.5	91.4	92.9	93.2	93.4
>= 800	26.3	58.9	68.0	75.3	84.6	89.1	92.1	94.5	95.4	95.6
>= 700	26.3	58.9	68.0	75.3	84.6	89.1	92.1	94.5	95.4	95.6
>= 600	26.3	58.9	68.0	75.3	84.6	89.1	92.1	94.5	95.4	95.6
>= 500	26.3	58.9	68.0	75.3	84.6	89.1	92.1	94.5	95.4	95.6
>= 400	26.5	59.0	68.1	75.5	85.0	89.6	92.9	95.6	96.3	96.4
>= 300	26.5	59.0	68.1	75.5	85.0	89.6	92.9	95.6	96.3	96.4
>= 200	26.5	59.0	68.1	75.5	85.0	89.6	92.9	95.6	96.3	96.4
>= 100	26.5	59.0	68.1	75.5	85.0	89.6	92.9	95.6	96.3	96.4
>= 0	26.5	59.0	68.1	75.5	85.0	89.6	92.9	95.6	96.3	96.4

TOTAL NO. OF OPS : 722

# 2 - CEILING VS VISIBILITY

043319 : ATSUGI, JAPAN  
 PERIOD OF RECORD : 1951-1987  
 CLASS : ALL WEATHER  
 CONDITION : NONE SPECIFIED

LAT. : 35 27N LONG. : 139 27E ELEV. : 214 FT  
 MONTH : MAY  
 HOUR : 1200 LST

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING	VISIBILITY (STATUTE MILES)															
	>=10	>=6	>=5	>=4	>=3	>=2 1/2	>=2	>=1 1/2	>=1	>=3/4	>=5/8	>=1/2	>=5/16	>=1/4	>=0	
UNLIMIT	23.6	35.5	39.7	41.4	42.2	42.5	42.5	42.5	42.5	42.5	42.5	42.5	42.5	42.5	42.5	42.5
>=20000	25.1	39.9	44.8	47.0	47.9	48.2	48.4	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5
>=18000	25.2	40.1	45.1	47.3	48.2	48.5	48.6	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8
>=16000	25.6	40.7	45.6	47.8	48.8	49.0	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3
>=14000	26.0	42.7	48.1	50.3	51.5	51.9	52.1	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2
>=12000	26.8	44.5	50.4	53.0	54.2	54.8	54.9	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1
>=10000	27.9	46.4	52.6	55.3	56.7	57.3	57.4	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7
>=9000	28.2	47.1	53.3	56.0	57.4	57.9	58.1	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4
>=8000	29.0	49.0	55.5	58.6	60.0	60.7	61.0	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2
>=7000	29.6	50.0	56.6	59.9	61.2	61.9	62.2	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7
>=6000	29.9	51.4	57.9	61.4	62.7	63.6	63.8	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4
>=5000	30.7	54.1	61.4	65.5	66.8	67.8	68.1	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6
>=4500	31.0	55.1	62.6	66.7	68.6	69.9	70.1	70.7	70.7	70.8	70.8	70.8	70.8	70.8	70.8	70.8
>=4000	31.8	57.4	65.6	70.0	72.7	74.1	74.4	75.1	75.1	75.2	75.2	75.2	75.2	75.2	75.2	75.2
>=3500	32.5	59.3	67.8	72.3	75.1	76.6	77.0	77.7	77.7	77.8	77.8	77.8	77.8	77.8	77.8	77.8
>=3000	32.7	61.9	70.8	76.0	78.9	80.5	81.1	81.9	81.9	82.1	82.1	82.2	82.2	82.2	82.2	82.2
>=2500	33.0	63.3	72.5	78.2	81.2	83.0	83.7	84.7	84.7	84.9	84.9	85.1	85.1	85.1	85.1	85.1
>=2000	33.3	64.1	73.3	79.2	82.9	84.8	85.8	86.7	86.8	87.1	87.1	87.3	87.3	87.3	87.3	87.3
>=1800	33.3	64.1	73.4	79.3	83.4	85.5	86.4	87.4	87.5	87.8	87.8	87.9	87.9	87.9	87.9	87.9
>=1500	33.6	65.2	74.5	80.8	85.1	87.5	88.6	89.7	89.9	90.1	90.1	90.3	90.3	90.3	90.3	90.3
>=1200	33.8	65.6	75.1	81.4	86.2	88.9	90.3	91.4	91.8	92.1	92.1	92.2	92.2	92.2	92.2	92.2
>=1000	33.8	65.9	75.3	81.8	86.6	89.5	91.2	92.6	93.2	93.6	93.6	93.7	93.7	93.7	93.7	93.7
>=900	33.8	65.9	75.5	81.9	86.8	89.7	91.9	93.3	94.0	94.4	94.4	94.5	94.5	94.5	94.5	94.5
>=800	33.8	65.9	75.6	82.1	87.5	90.5	92.9	94.7	95.6	96.2	96.2	96.3	96.3	96.3	96.3	96.3
>=700	33.8	66.0	75.9	82.3	87.8	91.0	93.4	95.3	96.7	97.4	97.4	97.5	97.5	97.5	97.5	97.5
>=600	33.8	66.0	75.9	82.5	87.9	91.1	93.7	95.8	97.5	98.5	98.5	98.6	98.6	98.6	98.6	98.6
>=500	33.8	66.0	75.9	82.5	87.9	91.2	94.2	96.3	98.1	99.5	99.5	99.6	99.6	99.6	99.6	99.6
>=400	33.8	66.0	75.9	82.5	87.9	91.2	94.4	96.4	98.2	99.6	99.6	99.7	99.7	99.7	99.7	99.7
>=300	33.8	66.0	75.9	82.5	87.9	91.2	94.5	96.6	98.4	99.7	99.7	99.9	99.9	99.9	99.9	99.9
>=200	33.8	66.0	75.9	82.5	87.9	91.2	94.5	96.6	98.4	99.7	99.7	99.9	99.9	99.9	99.9	99.9
>=100	33.8	66.0	75.9	82.5	87.9	91.2	94.5	96.6	98.4	99.7	99.7	99.9	99.9	99.9	99.9	99.9
>=0	33.8	66.0	75.9	82.5	87.9	91.2	94.5	96.6	98.4	99.7	99.7	99.9	99.9	99.9	99.9	99.9

TOTAL NO. OF OPS : 730

043319 : ATSUGI, JAPAN  
 PERIOD OF RECORD : 1951-1987  
 CLASS : ALL WEATHER  
 CONDITION : NONE SPECIFIED

LAT. : 35 27N LONG. : 139 27E ELEV. : 214 FT  
 MONTH : MAY  
 HOUR : 1500 LST

PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)

VISIBILITY (STATUTE MILES)

CEILING	>=10	>=6	>=5	>=4	>=3	>=2 1/2	>=2	>=1 1/2	>=1	>=3/4	>=5/8	>=1/2	>=5/16	>=1/4	>=0
UNLIMIT	26.1	40.9	43.0	44.2	44.7	44.7	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9
>=20000	27.9	45.4	48.2	49.4	50.1	50.1	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3
>=18000	28.2	46.0	48.7	49.9	50.6	50.6	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9
>=16000	28.2	46.4	49.2	50.6	51.3	51.3	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6
>=14000	28.5	47.7	51.2	52.9	53.8	53.8	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0
>=12000	29.5	50.6	54.6	56.5	57.6	57.6	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9
>=10000	31.3	53.6	57.7	59.8	60.9	60.9	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1
>= 9000	31.7	54.6	58.8	60.9	62.1	62.1	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4
>= 8000	32.8	57.3	61.6	63.9	65.3	65.3	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5
>= 7000	32.8	58.4	62.9	65.5	66.9	66.9	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2
>= 6000	33.4	59.6	64.4	67.2	68.5	68.5	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8
>= 5000	34.7	62.7	68.8	71.7	73.5	73.5	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7
>= 4500	34.9	63.6	70.2	73.3	75.1	75.1	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6
>= 4000	35.4	65.3	72.1	75.5	77.4	77.4	78.9	78.9	78.9	79.1	79.1	79.1	79.1	79.1	79.1
>= 3500	36.1	67.3	74.1	78.0	80.2	81.1	81.8	81.8	81.8	81.9	81.9	81.9	81.9	81.9	81.9
>= 3000	36.3	69.1	76.3	80.6	82.8	84.3	85.0	85.0	85.0	85.1	85.1	85.1	85.1	85.1	85.1
>= 2500	36.4	69.4	76.7	81.0	83.3	85.5	86.3	86.5	86.5	86.6	86.6	86.6	86.6	86.6	86.6
>= 2000	36.7	70.2	78.2	83.2	85.6	88.0	88.9	89.5	89.9	90.0	90.0	90.0	90.0	90.0	90.0
>= 1800	36.8	70.3	78.4	83.3	85.8	88.1	89.1	89.6	89.7	90.0	90.2	90.2	90.2	90.2	90.2
>= 1500	37.2	70.7	78.8	84.1	87.1	89.9	90.8	91.4	91.5	91.8	91.9	91.9	91.9	91.9	91.9
>= 1200	37.2	70.7	78.9	84.4	87.4	90.2	91.1	91.7	91.8	92.2	92.3	92.5	92.5	92.5	92.5
>= 1000	37.2	70.9	79.1	84.8	88.0	90.8	92.1	92.7	92.9	93.3	93.4	93.7	93.7	93.7	93.7
>= 900	37.2	70.9	79.1	85.0	88.2	91.1	92.5	93.3	93.4	94.0	94.4	94.7	94.7	94.7	94.7
>= 800	37.2	71.0	79.2	85.1	88.5	91.8	93.3	94.1	94.4	94.9	95.2	95.3	95.6	95.6	95.6
>= 700	37.2	71.0	79.2	85.2	88.9	92.2	93.8	94.8	95.2	95.9	96.3	96.4	96.9	96.9	96.9
>= 600	37.2	71.0	79.2	85.2	88.9	92.3	94.4	95.6	96.2	97.1	97.9	98.1	98.5	98.5	98.5
>= 500	37.2	71.0	79.2	85.2	88.9	92.3	94.5	96.2	96.9	97.9	99.0	99.2	99.6	99.6	99.6
>= 400	37.2	71.0	79.2	85.2	88.9	92.3	94.5	96.3	97.0	98.2	99.3	99.5	99.9	99.9	99.9
>= 300	37.2	71.0	79.2	85.2	88.9	92.3	94.5	96.3	97.0	98.2	99.3	99.5	99.9	99.9	99.9
>= 200	37.2	71.0	79.2	85.2	88.9	92.3	94.5	96.3	97.0	98.2	99.3	99.5	99.9	99.9	99.9
>= 100	37.2	71.0	79.2	85.2	88.9	92.3	94.5	96.4	97.1	98.4	99.5	99.6	100.0	100.0	100.0
>= 0	37.2	71.0	79.2	85.2	88.9	92.3	94.5	96.4	97.1	98.4	99.5	99.6	100.0	100.0	100.0

TOTAL NO. OF OBS : 731

## 2 - CEILING VS VISIBILITY

043319 : ATSUGI, JAPAN  
 PERIOD OF RECORD : 1951-1987  
 CLASS : ALL WEATHER  
 CONDITION : NONE SPECIFIED

LAT. : 35 27N LONG. : 139 27E ELEV. : 214 FT  
 MONTH : MAY  
 HOUR : 1800 LST

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

CEILING	VISIBILITY (STATUTE MILES)															
	>=10	>=6	>=5	>=4	>=3	>=2	1/2	>=2	1/2	>=1	1/2	>=1	1/4	>=1	>=3/4	>=5/8
	>=1/2	>=1/4	>=1/8	>=1/16	>=1/32	>=1/64	>=1/128	>=1/256	>=1/512	>=1/1024	>=1/2048	>=1/4096	>=1/8192	>=1/16384	>=1/32768	>=1/65536
UNLIMIT	23.8	37.2	40.4	42.0	42.5	42.5	42.5	42.5	42.5	42.7	42.7	42.7	42.7	42.7	42.7	42.7
>=20000	25.9	42.5	46.2	48.1	48.7	48.7	48.7	48.7	48.7	49.0	49.1	49.1	49.1	49.1	49.1	49.1
>=18000	25.9	42.7	46.3	48.3	48.8	48.8	48.8	48.8	48.8	49.1	49.2	49.2	49.2	49.2	49.2	49.2
>=16000	25.9	43.0	46.6	48.5	49.2	49.2	49.2	49.2	49.2	49.5	49.7	49.7	49.7	49.7	49.7	49.7
>=14000	26.5	45.9	49.8	51.9	52.7	52.7	52.7	52.7	52.7	53.1	53.3	53.3	53.3	53.3	53.3	53.3
>=12000	27.1	49.1	53.1	55.5	56.6	56.6	56.6	56.6	56.6	57.2	57.3	57.3	57.3	57.3	57.3	57.3
>=10000	28.0	51.7	55.9	58.3	59.6	59.6	59.6	59.6	59.6	60.1	60.3	60.3	60.3	60.3	60.3	60.3
>=9000	28.2	52.3	56.5	58.9	60.1	60.3	60.3	60.3	60.3	60.7	60.8	60.8	60.8	60.8	60.8	60.8
>=8000	28.9	54.4	58.7	61.2	62.5	62.5	62.5	62.5	62.5	63.2	63.3	63.3	63.3	63.3	63.3	63.3
>=7000	29.1	55.5	60.5	63.2	64.7	65.1	65.1	65.1	65.1	65.7	65.8	65.8	65.8	65.8	65.8	65.8
>=6000	29.3	56.1	61.5	64.2	66.1	66.5	66.5	66.5	66.5	67.1	67.4	67.4	67.4	67.4	67.4	67.4
>=5000	30.1	58.9	65.4	68.2	70.4	71.1	71.1	71.1	71.1	71.8	72.1	72.1	72.1	72.1	72.1	72.1
>=4500	30.8	61.1	67.9	70.9	73.4	74.1	74.1	74.1	74.1	74.8	75.2	75.2	75.2	75.2	75.2	75.2
>=4000	31.4	62.3	70.2	73.2	76.0	77.5	77.5	77.5	77.5	78.2	78.6	78.6	78.6	78.6	78.6	78.6
>=3500	31.5	63.9	71.3	74.8	77.7	79.2	79.2	79.2	79.2	79.9	80.5	80.5	80.5	80.5	80.5	80.5
>=3000	31.7	64.7	72.4	76.8	80.1	81.7	81.7	81.7	81.7	82.7	83.7	83.7	83.7	83.7	83.7	83.7
>=2500	31.7	65.3	73.5	78.2	82.1	84.1	84.1	84.1	84.1	85.5	86.8	86.8	86.8	86.8	86.8	86.8
>=2000	31.8	65.6	73.9	78.8	83.0	85.1	85.1	85.1	85.1	86.9	88.1	88.1	88.1	88.1	88.1	88.1
>=1800	31.8	65.7	74.1	78.9	83.1	85.5	85.5	85.5	85.5	87.3	88.6	88.6	88.6	88.6	88.6	88.6
>=1500	32.1	66.0	74.5	79.5	84.2	86.6	86.6	86.6	86.6	88.8	90.7	91.1	91.1	91.1	91.1	91.1
>=1200	32.1	66.0	74.5	79.5	84.4	86.9	86.9	86.9	86.9	89.4	91.4	91.8	92.5	92.9	93.0	93.0
>=1000	32.1	66.0	74.5	79.5	84.4	86.9	86.9	86.9	86.9	89.5	91.5	91.9	93.2	93.7	93.9	93.9
>=900	32.1	66.1	74.8	79.9	84.8	87.6	87.6	87.6	87.6	90.4	92.5	92.9	94.1	94.7	94.8	94.8
>=800	32.4	66.5	75.2	80.3	85.2	88.0	88.0	88.0	88.0	90.8	92.9	93.3	94.8	95.4	95.5	95.5
>=700	32.4	66.5	75.2	80.3	85.2	88.0	88.0	88.0	88.0	90.8	93.0	93.6	95.1	95.7	95.8	95.8
>=600	32.4	66.7	75.3	80.5	85.4	88.1	88.1	88.1	88.1	91.1	93.4	94.0	96.0	96.5	96.8	96.8
>=500	32.4	66.7	75.3	80.6	85.5	88.3	88.3	88.3	88.3	91.4	94.1	94.7	97.1	97.8	98.2	98.3
>=400	32.4	66.7	75.3	80.6	85.5	88.4	88.4	88.4	88.4	91.5	94.4	95.0	97.5	98.5	98.9	99.0
>=300	32.4	66.7	75.3	80.6	85.5	88.6	88.6	88.6	88.6	91.8	94.7	95.3	97.8	99.0	99.6	99.7
>=200	32.4	66.7	75.3	80.6	85.5	88.6	88.6	88.6	88.6	91.8	94.7	95.3	97.9	99.2	99.7	99.9
>=100	32.4	66.7	75.3	80.6	85.5	88.6	88.6	88.6	88.6	91.8	94.7	95.3	97.9	99.2	99.7	99.9
>=0	32.4	66.7	75.3	80.6	85.5	88.6	88.6	88.6	88.6	91.8	94.7	95.3	97.9	99.2	99.7	99.9

TOTAL NO. OF OBS : 717

## 2 - CEILING VS VISIBILITY

043319 : ATSUGI, JAPAN  
 PERIOD OF RECORD : 1951-1987  
 CLASS : ALL WEATHER  
 CONDITION : NONE SPECIFIED

LAT. : 35 27N LONG. : 139 27E ELEV. : 214 FT  
 MONTH : MAY  
 HOUR : 2100 LST

PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)

CEILING	VISIBILITY (STATUTE MILES)															
	>=10	>=6	>=5	>=4	>=3	>=2	1/2	>=1	1/2	>=1	1/4	>=1/4	>=5/16	>=1/2	>=5/8	>=1/4
UNLIMIT	26.3	39.5	43.5	44.7	46.5	47.3	47.8	48.2	48.3	48.3	48.3	48.3	48.5	48.5	48.5	48.5
>=20000	27.0	41.8	45.9	47.1	48.9	49.7	50.2	50.6	50.7	50.7	50.7	50.7	50.9	50.9	50.9	50.9
>=18000	27.0	41.8	45.9	47.1	48.9	49.7	50.2	50.6	50.7	50.7	50.7	50.7	50.9	50.9	50.9	50.9
>=16000	27.5	42.9	47.1	48.3	50.1	50.9	51.4	51.8	51.9	51.9	51.9	51.9	52.1	52.1	52.1	52.1
>=14000	28.3	44.3	48.7	50.2	51.9	52.7	53.3	53.7	53.8	53.8	53.8	53.8	53.9	53.9	53.9	53.9
>=12000	30.0	47.8	52.3	53.9	55.7	56.5	57.1	57.5	57.7	57.7	57.7	57.7	57.8	57.8	57.8	57.8
>=10000	31.8	51.1	56.3	57.9	59.8	60.9	61.5	61.9	62.1	62.1	62.1	62.1	62.2	62.2	62.2	62.2
>=9000	32.4	52.1	57.3	59.0	60.9	61.9	62.6	63.0	63.2	63.2	63.2	63.2	63.3	63.3	63.3	63.3
>=8000	33.6	54.3	59.8	61.5	63.4	64.5	65.2	65.6	65.7	65.7	65.7	65.7	65.8	65.8	65.8	65.8
>=7000	34.0	55.8	61.3	63.3	65.2	66.4	67.0	67.6	67.7	67.7	67.7	67.7	67.8	67.8	67.8	67.8
>=6000	34.2	56.3	62.5	64.9	66.9	68.1	68.8	69.3	69.4	69.4	69.4	69.4	69.6	69.6	69.6	69.6
>=5000	35.8	59.4	65.7	68.2	70.6	72.1	72.8	73.3	73.4	73.6	73.6	73.6	73.7	73.7	73.7	73.7
>=4500	37.0	61.1	67.7	70.2	72.8	74.4	75.0	75.6	75.7	75.8	75.8	75.8	76.0	76.0	76.0	76.0
>=4000	37.1	62.6	69.2	71.7	74.5	76.2	77.2	77.7	77.8	78.0	78.0	78.0	78.1	78.1	78.1	78.1
>=3500	37.4	64.2	71.2	73.8	76.8	78.5	79.4	80.1	80.2	80.4	80.4	80.4	80.5	80.5	80.5	80.5
>=3000	37.9	65.6	72.8	75.7	79.3	81.0	82.0	82.6	82.8	82.9	82.9	82.9	83.0	83.0	83.0	83.0
>=2500	37.9	66.5	74.1	77.7	81.7	83.4	84.4	85.2	85.3	85.6	85.6	85.6	85.7	85.7	85.7	85.7
>=2000	38.3	67.1	76.1	79.7	84.2	86.1	87.2	88.1	88.3	88.5	88.5	88.5	88.7	88.7	88.7	88.7
>=1800	38.5	68.1	76.5	80.1	84.6	86.6	87.7	88.7	88.8	89.1	89.1	89.1	89.2	89.2	89.2	89.2
>=1500	38.9	68.8	77.2	81.0	86.0	88.4	89.6	90.5	90.7	90.9	90.9	90.9	91.2	91.2	91.2	91.2
>=1200	39.1	69.0	78.0	82.0	87.0	89.7	91.1	92.0	92.1	92.4	92.4	92.4	92.7	92.7	92.7	92.7
>=1000	39.1	69.4	78.4	82.4	87.6	90.4	91.9	93.1	93.3	93.6	93.6	93.6	94.0	94.0	94.0	94.0
>=900	39.1	69.4	78.4	82.4	87.7	90.5	92.0	93.3	93.6	93.9	93.9	93.9	94.3	94.3	94.3	94.3
>=800	39.3	69.5	78.5	82.5	87.9	90.7	92.3	93.7	94.0	94.4	94.4	94.4	94.8	94.8	94.8	94.8
>=700	39.4	69.7	78.6	82.8	88.3	91.3	93.2	94.8	95.1	95.5	95.5	95.7	96.1	96.1	96.1	96.1
>=600	39.4	69.8	78.8	83.2	88.7	91.7	93.9	95.9	96.1	96.7	97.1	97.1	97.5	97.5	97.5	97.5
>=500	39.4	69.8	78.8	83.2	88.7	91.9	94.4	96.4	96.7	97.5	97.9	97.9	98.3	98.3	98.3	98.3
>=400	39.4	69.8	78.8	83.3	89.1	92.4	95.1	97.1	97.3	98.1	98.7	98.7	99.1	99.1	99.1	99.1
>=300	39.4	69.8	78.8	83.3	89.1	92.4	95.3	97.3	97.6	98.5	99.1	99.1	99.5	99.5	99.5	99.5
>=200	39.4	69.8	78.9	83.4	89.2	92.5	95.5	97.6	97.9	98.8	99.5	99.5	100.0	100.0	100.0	100.0
>=100	39.4	69.8	78.9	83.4	89.2	92.5	95.5	97.6	97.9	98.8	99.5	99.5	100.0	100.0	100.0	100.0
>=0	39.4	69.8	78.9	83.4	89.2	92.5	95.5	97.6	97.9	98.8	99.5	99.5	100.0	100.0	100.0	100.0

TOTAL NO. OF OBS : 749

## 2 - CEILING VS VISIBILITY

043319 : ATSUGI, JAPAN  
 PERIOD OF RECORD : 1951-1987  
 CLASS : ALL WEATHER  
 CONDITION : NONE SPECIFIED

LAT. : 35 27N LONG. : 139 27E ELEV. : 214 FT  
 MONTH : MAY  
 HOUR : ALL

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

CEILING	VISIBILITY (STATUTE MILES)																	
	>=10	>=6	>=5	>=4	>=3	>=2	1/2	>=1	1/2	>=1	1/4	>=1	>=3/4	>=5/8	>=1/2	>=5/16	>=1/4	>=0
UNLIMIT	22.4	34.9	38.6	40.6	42.9	43.7	44.3	44.6	44.7	44.9	45.0	45.0	45.0	45.0	45.1	45.1	45.1	45.2
>=20000	23.6	38.2	42.3	44.5	47.0	47.9	48.6	49.0	49.1	49.3	49.4	49.4	49.4	49.4	49.5	49.5	49.5	49.6
>=18000	23.8	38.5	42.6	44.8	47.3	48.2	48.9	49.3	49.4	49.6	49.7	49.7	49.7	49.7	49.8	49.8	49.8	50.0
>=16000	24.0	38.9	43.2	45.4	48.0	48.8	49.5	49.9	50.0	50.2	50.4	50.4	50.4	50.4	50.4	50.4	50.5	50.6
>=14000	24.5	40.4	44.9	47.3	49.9	50.9	51.6	52.0	52.1	52.3	52.5	52.5	52.5	52.6	52.6	52.6	52.6	52.8
>=12000	25.4	42.6	47.4	50.1	52.9	53.9	54.7	55.1	55.2	55.4	55.6	55.6	55.6	55.7	55.7	55.7	55.9	55.9
>=10000	26.7	45.3	50.4	53.3	56.2	57.3	58.1	58.6	58.7	59.0	59.2	59.2	59.2	59.2	59.2	59.2	59.3	59.4
>=9000	27.0	46.0	51.2	54.7	57.0	58.1	59.0	59.5	59.6	59.8	60.0	60.0	60.0	60.1	60.1	60.1	60.3	60.3
>=8000	28.0	48.1	53.5	56.7	59.8	61.0	61.9	62.5	62.6	62.9	63.1	63.1	63.1	63.2	63.2	63.2	63.4	63.4
>=7000	28.5	49.4	55.1	58.4	61.6	62.9	63.8	64.5	64.6	64.9	65.1	65.1	65.1	65.1	65.1	65.1	65.2	65.4
>=6000	29.0	50.6	56.5	59.9	63.2	64.6	65.5	66.2	66.3	66.6	66.8	66.8	66.8	66.9	66.9	66.9	67.0	67.1
>=5000	30.2	53.2	59.7	63.5	67.1	68.6	69.7	70.4	70.6	70.9	71.2	71.2	71.2	71.3	71.3	71.3	71.5	71.5
>=4500	30.9	54.7	61.4	65.3	69.2	70.8	71.9	72.7	72.9	73.3	73.5	73.5	73.5	73.6	73.6	73.6	73.8	73.8
>=4000	31.5	56.5	63.6	67.8	72.0	73.9	75.2	76.1	76.2	76.6	76.9	76.9	76.9	77.0	77.0	77.0	77.2	77.2
>=3500	31.9	58.1	65.5	69.8	74.1	76.2	77.5	78.5	78.7	79.1	79.3	79.3	79.3	79.4	79.4	79.4	79.5	79.7
>=3000	32.4	59.8	67.4	72.1	76.7	79.0	80.4	81.5	81.6	82.0	82.3	82.3	82.3	82.5	82.5	82.5	82.7	82.7
>=2500	32.6	60.7	68.6	73.6	78.5	81.1	82.7	83.8	84.0	84.4	84.8	84.8	84.8	84.9	84.9	85.0	85.1	85.1
>=2000	32.9	61.6	69.9	75.1	80.3	83.1	84.9	86.1	86.3	86.8	87.2	87.2	87.2	87.3	87.3	87.3	87.4	87.5
>=1800	33.0	61.8	70.1	75.3	80.7	83.5	85.3	86.6	86.8	87.4	87.7	87.7	87.7	87.8	87.8	87.9	88.1	88.1
>=1500	33.2	62.3	71.8	76.3	82.0	85.0	87.0	88.4	88.6	89.3	89.7	89.7	89.7	89.8	89.8	89.8	89.9	90.1
>=1200	33.3	62.6	71.2	76.8	82.8	85.9	88.1	89.5	89.8	90.5	91.0	91.0	91.0	91.2	91.2	91.2	91.4	91.4
>=1000	33.4	62.8	71.5	77.2	83.3	86.5	89.0	90.6	90.9	91.8	92.3	92.3	92.3	92.6	92.6	92.6	92.8	92.8
>=900	33.4	62.8	71.6	77.3	83.5	86.9	89.6	91.3	91.5	92.6	93.1	93.1	93.1	93.4	93.4	93.4	93.6	93.6
>=800	33.4	63.0	71.8	77.6	84.0	87.6	90.3	92.1	92.4	93.6	94.3	94.3	94.3	94.6	94.6	94.6	94.8	94.8
>=700	33.5	63.1	71.9	77.8	84.3	88.0	91.0	92.9	93.3	94.6	95.4	95.4	95.4	95.7	95.7	95.8	96.0	96.0
>=600	33.5	63.1	72.0	78.0	84.5	88.3	91.6	93.8	94.2	95.7	96.7	96.7	96.7	97.1	97.1	97.2	97.3	97.3
>=500	33.5	63.1	72.0	78.1	84.6	88.5	92.0	94.4	94.8	96.6	97.7	97.7	97.7	98.1	98.1	98.2	98.4	98.4
>=400	33.5	63.1	72.0	78.1	84.7	88.7	92.4	94.8	95.3	97.1	98.4	98.4	98.4	98.8	98.8	98.9	99.1	99.1
>=300	33.5	63.1	72.0	78.1	84.7	88.8	92.5	95.0	95.4	97.3	98.6	98.6	98.6	99.1	99.1	99.2	99.4	99.4
>=200	33.5	63.2	72.1	78.1	84.8	88.8	92.6	95.1	95.6	97.5	98.9	98.9	98.9	99.4	99.4	99.5	99.7	99.7
>=100	33.5	63.2	72.1	78.1	84.8	88.8	92.6	95.2	95.7	97.6	99.0	99.0	99.0	99.6	99.6	99.6	99.9	99.9
>=0	33.5	63.2	72.1	78.1	84.8	88.8	92.6	95.2	95.7	97.6	99.0	99.0	99.0	99.6	99.6	99.6	100.0	100.0

TOTAL NO. OF OBS : 5810



# 1 - SURFACE WINDS

043319 : ATSUGI, JAPAN  
 PERIOD OF RECORD : 1951-1937  
 CLASS : ALL WEATHER  
 CONDITION : NONE SPECIFIED  
 LAT. : 35 27N LONG. : 139 27E ELEV. : 214 FT  
 MONTH : JUN  
 HOUR : 0000 LST

## PERCENTAGE FREQUENCY OF WIND DIRECTION VS SPEED (FROM HOURLY OBSERVATIONS)

16 PT. DIR.		SPEED (KNOTS)																TOTAL %	MEAN WIND SPEED
		1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	>56							
N	3.7	7.0	6.8	1.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	18.7	6.2		
NNE	1.8	3.6	1.7	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	7.1	5.1		
NE	2.0	1.3	1.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	4.4	4.5		
ENE	.7	1.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.1	3.6		
E	1.0	.7	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.0	3.9		
ESE	.7	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.2	2.9		
SE	.8	.5	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.6	4.0		
SSE	.7	1.8	.7	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.5	5.6		
S	3.4	5.3	4.4	2.1	.3	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	15.8	7.0		
SSW	2.0	1.7	1.9	2.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	7.8	7.8		
SW	.6	.6	.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.2	5.7		
WSW	.6	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.8	3.1		
W	1.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.0	2.4		
WNW	.8	.4	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.5	3.3		
NW	1.2	1.3	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.6	3.7		
NNW	1.4	2.5	1.8	1.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	6.8	6.6		
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		
CLM	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	21.0	.0		
ALL	22.5	28.6	20.1	7.0	.4	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0	4.6		

TOTAL NO. OF OBS : 954

NOTES :  
 \* = PERCENT < .05

# 1 - SURFACE WINDS

043319 : AITSUGI, JAPAN LAT. : 35 27N LONG. : 139 27E ELEV. : 214 FT  
 PERIOD OF RECORD : 1951-1987 MONTH : JUN  
 CLASS : ALL WEATHER HOUR : 0300 LST  
 CONDITION : NONE SPECIFIED

## PERCENTAGE FREQUENCY OF WIND DIRECTION VS SPEED (FROM HOURLY OBSERVATIONS)

16 PT. DIR.	SPEED (KNOTS)																TOTAL %	MEAN WIND SPEED
	1 - 3	4 - 6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	>=56							
N	7.3	11.4	6.6	1.6	.2	.0	.0	.0	.0	.0	.0	27.2	5.5					
NNE	2.7	4.7	2.0	.1	.0	.0	.0	.0	.0	.0	.0	9.5	4.9					
NE	1.3	1.7	.8	.0	.0	.0	.0	.0	.0	.0	.0	3.8	4.6					
ENE	.9	.9	.1	.0	.0	.0	.0	.0	.0	.0	.0	2.0	3.9					
E	.8	.4	.0	.1	.0	.0	.0	.0	.0	.0	.0	1.4	3.8					
ESE	.5	.1	.0	.1	.0	.0	.0	.0	.0	.0	.0	.7	3.7					
SE	.2	.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.7	3.9					
SSE	1.4	1.0	.5	.1	.0	.0	.0	.0	.0	.0	.0	3.0	4.7					
S	2.1	2.1	3.0	1.3	.3	.1	.0	.0	.0	.0	.0	8.9	7.5					
SSW	.7	.6	1.5	1.2	.3	.0	.0	.0	.0	.0	.0	4.3	9.0					
SW	.6	.2	.6	.0	.1	.1	.0	.0	.0	.0	.0	1.7	7.1					
WSW	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.3	2.3					
W	.6	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.7	2.0					
WNW	1.3	.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.9	2.9					
NW	2.2	1.3	.4	.2	.0	.0	.1	.0	.0	.0	.0	4.2	4.6					
NNW	2.9	3.7	2.2	.9	.1	.0	.0	.0	.0	.0	.0	9.9	5.8					
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0					
CLM	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	19.7	.0					
ALL	26.0	29.5	17.8	5.6	1.0	.2	.1	.0	.0	.0	.0	100.0	4.5					

TOTAL NO. OF OBS : 953

NOTES : \* = PERCENT < .05

# 1 - SURFACE WINDS

043319 : ATSUGI, JAPAN LAT. : 35 27N LONG. : 139 27E ELEV. : 214 FT  
 PERIOD OF RECORD : 1951-1987 MONTH : JUN  
 CLASS : ALL WEATHER HOUR : 0600 LST  
 CONDITION : NONE SPECIFIED

## PERCENTAGE FREQUENCY OF WIND DIRECTION VS SPEED (FROM HOURLY OBSERVATIONS)

DIR.	SPEED (KNOTS)																TOTAL >=56	MEAN % WIND SPEED
	1-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	56-63	64-71	72-79	80-87	88-95	96-103	104-111		
N	7.6	15.7	7.7	2.5	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	33.5	5.6
NNE	3.4	5.2	3.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	11.7	5.0
NE	1.9	1.6	.4	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	4.0	4.2
ENE	1.6	.5	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.5	3.5
E	.3	.6	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.0	4.4
ESE	.2	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.4	3.5
SE	.7	.3	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.1	3.6
SSE	.6	.5	.1	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.3	5.6
S	1.3	1.1	1.9	2.1	.4	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	7.0	9.1
SSW	.4	.9	1.1	.7	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.3	8.6
SW	.4	.6	.4	.1	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.5	6.9
WSW	.5	.1	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.8	4.5
W	.4	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.6	3.3
WNW	.9	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.2	3.0
NW	1.1	.9	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.1	3.4
NNW	3.3	4.5	2.1	1.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	11.2	5.7
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CLM	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	16.8	.0
ALL	24.6	33.0	17.5	7.1	.6	.3	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0	4.7

TOTAL NO. OF OBS : 1045

NOTES :  
 \* = PERCENT < .05

043319 : ATSUGI, JAPAN  
 PERIOD OF RECORD : 1951-1987  
 LAT. : 35 27N LONG. : 139 27E ELEV. : 214 FT  
 MONTH : JUN  
 HOUR : 0900 LST

CLASS : ALL WEATHER  
 CONDITION : NONE SPECIFIED

PERCENTAGE FREQUENCY OF WIND  
 DIRECTION VS SPEED  
 (FROM HOURLY OBSERVATIONS)

16 PT.		SPEED (KNOTS)												TOTAL		MEAN	
DIR.		1	3	4	6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	>=56	%	SPEED	WIND
N		2.1		4.8		8.1	3.2	.1	.0	.0	.0	.0	.0	.0	18.2	7.8	
NNE		2.8		5.5		7.0	1.2	.0	.0	.0	.0	.0	.0	.0	16.5	6.4	
NE		2.0		3.1		2.5	.2	.0	.0	.0	.0	.0	.0	.0	7.7	5.6	
ENE		1.9		2.3		1.1	.3	.0	.0	.0	.0	.0	.0	.0	5.5	5.0	
E		1.7		.8		.3	.0	.0	.0	.0	.0	.0	.0	.0	2.8	3.3	
ESE		.9		.4		.4	.0	.0	.0	.0	.0	.0	.0	.0	1.7	3.8	
SE		.7		.7		.2	.0	.0	.0	.0	.0	.0	.0	.0	1.6	4.2	
SSE		1.7		1.5		.5	.1	.0	.0	.0	.0	.0	.0	.0	3.7	4.5	
S		2.3		3.8		4.2	3.8	.7	.1	.2	.0	.0	.0	.0	15.2	8.6	
SSW		.7		1.7		1.6	2.1	.2	.0	.0	.0	.0	.0	.0	6.2	8.9	
SW		1.0		.7		.5	.4	.1	.0	.0	.0	.0	.0	.0	2.7	6.4	
WSW		.6		.4		.1	.1	.0	.0	.0	.0	.0	.0	.0	1.2	4.9	
W		.3		.1		.0	.0	.0	.0	.0	.0	.0	.0	.0	.4	2.5	
WNW		.2		.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	2.0	
NW		.4		.3		.1	.0	.0	.0	.0	.0	.0	.0	.0	.8	4.0	
NNW		1.0		1.4		2.2	.9	.3	.0	.0	.0	.0	.0	.0	5.7	7.7	
VAR		.0		.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
CLM		.0		.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	10.0	.0	
ALL		20.0		27.4		28.7	12.2	1.4	.1	.2	.0	.0	.0	.0	100.0	6.1	

TOTAL NO. OF OBS : 1015

NOTES :  
 \* = PERCENT < .05

043319 : ATSUGI, JAPAN  
PERIOD OF RECORD : 1951-1987  
CLASS : ALL WEATHER  
CONDITION : NONE SPECIFIED

LAT. : 35 27N LONG. : 139 27E ELEV. : 214 FT  
MONTH : JUN  
HOUR : 1200 LST

PERCENTAGE FREQUENCY OF WIND  
DIRECTION VS SPEED  
(FROM HOURLY OBSERVATIONS)

16 PT.		SPEED (KNOTS)																TOTAL		MEAN	
DIR.		1	2	3	4	5	6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	>56	%				
N		.8			3.4			4.5	2.9		.4		.0		.0		.0	12.0	8.5		
NNE		1.0			4.0			2.5	.8		.0		.0		.0		.0	8.2	6.5		
NE		.8			2.4			2.4	.5		.0		.0		.0		.0	6.1	6.7		
ENE		.9			1.9			1.0	.3		.0		.0		.0		.0	4.7	5.9		
E		.5			1.4			1.9	.2		.0		.0		.0		.0	4.1	6.7		
ESE		1.5			2.3			1.2	.0		.0		.0		.0		.0	5.0	5.1		
SE		.7			1.4			1.2	.0		.0		.0		.0		.0	3.3	5.4		
SSE		1.1			2.5			2.4	1.2		.1		.0		.0		.0	7.2	7.2		
S		1.7			4.3			10.7	7.9		1.7		.0		.0		.0	26.8	9.9		
SSW		.7			2.2			4.2	2.7		2.0		.0		.0		.0	11.9	10.3		
SW		.8			.9			.9	.4		.2		.0		.0		.0	3.3	8.5		
WSW		.7			.4			.3	.1		.0		.0		.0		.0	1.0	5.9		
W		.2			.0			.0	.0		.0		.0		.0		.0	.2	1.5		
WNW		.2			.0			.0	.0		.0		.0		.0		.0	.2	2.5		
NW		.0			.2			.0	.1		.0		.0		.0		.0	.3	6.7		
NNW		.2			1.1			1.2	.8		.3		.0		.0		.0	3.5	9.1		
VAR		.0			.0			.0	.0		.0		.0		.0		.0	.0	.0		
CLM		.0			.0			.0	.0		.0		.0		.0		.0	2.4	.0		
ALL		11.1			28.4			35.0	17.7		4.7		.1		.0		.0	100.0	8.0		

TOTAL NO. OF OBS : 1037

NOTES : \* = PERCENT < .05

043319 : AISUGI, JAPAN  
 PERIOD OF RECORD : 1951-1987  
 CLASS : ALL WEATHER  
 CONDITION : NONE SPECIFIED

LAT. : 35 27N LONG. : 139 27E ELEV. : 214 FT  
 MONTH : JUN  
 HOUR : 1500 LST

PERCENTAGE FREQUENCY OF WIND  
 DIRECTION VS SPEED  
 (FROM HOURLY OBSERVATIONS)

DIR.	SPEED (KNOTS)																TOTAL %	MEAN WIND SPEED
	1-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	>56								
N	.6	2.9	3.1	1.6	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	8.4	7.8
NNE	.1	1.3	2.0	1.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	4.5	8.3
NE	.4	1.0	1.6	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.2	6.9
ENE	.3	1.0	1.2	.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.2	7.5
E	.4	1.6	2.0	.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	4.9	7.6
ESE	1.0	1.1	1.6	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	4.0	5.9
SE	.5	1.3	1.3	.2	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.4	6.6
SSE	.3	1.5	2.9	1.2	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	6.0	8.5
S	1.1	4.1	13.5	14.5	1.9	.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	35.8	10.7
SSW	.2	1.6	7.4	6.1	.8	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	16.4	10.5
SW	.3	1.1	2.3	.8	.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	4.9	9.0
WSW	.2	.1	.3	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.8	8.0
W	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	5.0
WNW	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	4.0
NW	.0	.1	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	9.0
NNW	.2	.2	1.0	1.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.4	9.8
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CLM	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.7	.0
ALL	5.5	19.4	40.2	28.7	3.3	1.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0	9.2

TOTAL NO. OF OBS : 1051

NOTES : \* = PERCENT < .05

# 1 - SURFACE WINDS

043319 : AISUGI, JAPAN LAT. : 35 27N LONG. : 139 27E ELEV. : 214 FT  
 PERIOD OF RECORD : 1951-1987 MONTH : JUN  
 CLASS : ALL WEATHER HOUR : 1800 LST  
 CONDITION : NONE SPECIFIED

## PERCENTAGE FREQUENCY OF WIND DIRECTION VS SPEED (FROM HOURLY OBSERVATIONS)

16 PT.		SPEED (KNOTS)																TOTAL	MEAN
DIR.		1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	>=56	%	WIND					
N	.5	2.4	2.7	.9	.3	.0	.0	.0	.0	.0	.0	.0	6.8	7.7					
NNE	.6	1.7	2.2	.6	.0	.0	.0	.0	.0	.0	.0	.0	5.0	7.3					
NE	.6	.9	1.3	.2	.0	.0	.0	.0	.0	.0	.0	.0	3.0	6.4					
ENE	.3	.5	1.5	.1	.1	.0	.0	.0	.0	.0	.0	.0	2.6	7.6					
E	1.0	1.2	2.5	.2	.0	.0	.0	.0	.0	.0	.0	.0	4.9	6.3					
ESE	.7	1.4	1.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	3.3	5.7					
SE	.6	1.0	.8	.1	.0	.0	.0	.0	.0	.0	.0	.0	2.5	5.6					
SSE	.9	1.9	2.4	.9	.0	.0	.0	.0	.0	.0	.0	.0	6.1	6.9					
S	1.9	8.3	16.2	9.6	1.3	.2	.0	.0	.0	.0	.0	.0	37.6	9.0					
SSW	1.2	4.0	6.5	3.5	.3	.4	.0	.0	.0	.0	.0	.0	15.9	8.5					
SW	1.1	.9	1.0	1.1	.2	.0	.0	.0	.0	.0	.0	.0	4.4	7.8					
WSW	.3	.3	.3	.2	.0	.0	.0	.0	.0	.0	.0	.0	1.0	6.4					
W	.4	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.7	3.0					
WNW	.1	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.3	3.7					
NW	.2	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.4	3.8					
NNW	.4	.6	.8	.6	.2	.1	.0	.0	.0	.0	.0	.0	2.6	9.2					
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0					
CLW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.0	.0					
ALL	10.7	25.9	39.3	16.1	2.4	.7	.0	.0	.0	.0	.0	.0	100.0	7.8					

TOTAL NO. OF OBS : 1057

NOTES : PERCENT < .05

C43319 : ATSUGI, JAPAN  
 PERIOD OF RECORD : 1951-1987  
 CLASS : ALL WEATHER  
 CONDITION : NONE SPECIFIED

LAT. : 35 27N LONG. : 139 27E ELEV. : 214 FT  
 MONTH : JUN  
 HOUR : 2100 LST

PERCENTAGE FREQUENCY OF WIND  
 DIRECTION VS SPEED  
 (FROM HOURLY OBSERVATIONS)

16 PT. DIR.	1	2	3	4	5	6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	>56	TOTAL	MEAN WIND SPEED
N	1.9	3.8	3.5	1.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	10.5	6.7
NNE	1.6	2.8	2.7	.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	7.9	6.3
NE	1.4	1.3	1.2	.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	4.4	5.7
ENE	1.2	1.3	.5	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.2	4.9
E	1.6	2.8	.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	5.0	4.6
ESE	.8	.8	.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.0	4.8
SE	.7	.8	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.7	4.6
SSE	2.2	2.6	1.7	.4	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	7.0	5.3
S	3.8	8.0	8.9	3.7	.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	25.0	7.2
SSW	2.9	2.2	4.1	1.7	.6	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	11.6	7.7
SW	.8	.8	.5	.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.7	7.1
WSW	.5	.8	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.4	4.9
W	.8	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.0	2.8
WNW	.1	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	6.0
NW	.8	.2	.3	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.3	5.1
NNW	1.0	1.4	1.5	.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	4.5	6.4
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CLM	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	10.6	.0
ALL	21.9	29.8	26.2	9.9	1.4	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0	5.7

TOTAL NO. OF OBS : 1062

NOTES :  
 \* = PERCENT < .05



# 1 - SURFACE WINDS

043319 : ATSUGI, JAPAN  
 PERIOD OF RECORD : 1951-1987  
 CLASS : ALL WEATHER  
 CONDITION : NONE SPECIFIED

LAT. : 35 27N LONG. : 139 27E ELEV. : 214 FT  
 MONTH : JUN  
 HOUR : ALL

PERCENTAGE FREQUENCY OF WIND  
 DIRECTION VS SPEED  
 (FROM HOURLY OBSERVATIONS)

16 PT. DIR.	1	2	3	4	5	6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	>=56	TOTAL	MEAN WIND SPEED
N	3.0			6.4	5.3	1.9			.1	.0	.0	.0	.0	.0	.0	16.7	6.6
NNE	1.7			3.6	2.9	.6			.0	.0	.0	.0	.0	.0	.0	8.8	6.0
NE	1.3			1.7	1.4	.2			.0	.0	.0	.0	.0	.0	.0	4.6	5.6
ENE	1.0			1.2	.8	.2			.0*	.0	.0	.0	.0	.0	.0	3.2	5.4
E	.9			1.2	1.0	.2			.0	.0	.0	.0	.0	.0	.0	3.3	5.6
ESE	.8			.9	.6	.0*			.0	.0	.0	.0	.0	.0	.0	2.3	5.0
SE	.6			.8	.5	.0*			.0*	.0	.0	.0	.0	.0	.0	2.0	5.2
SSE	1.1			1.7	1.4	.5			.0*	.0	.0	.0	.0	.0	.0	4.8	6.4
S	2.2			4.7	8.0	5.7			.2	.0*	.0	.0	.0	.0	.0	21.8	9.0
SSW	1.1			1.9	3.6	2.5			.6	.1	.0	.0	.0	.0	.0	9.8	9.1
SW	.7			.7	.9	.4			.1	.0*	.0	.0	.0	.0	.0	3.0	7.6
WSW	.4			.3	.2	.1			.0	.0	.0	.0	.0	.0	.0	.9	5.2
W	.5			.1	.0	.0			.0	.0	.0	.0	.0	.0	.0	.6	2.7
WNW	.4			.2	.0*	.0			.0	.0	.0	.0	.0	.0	.0	.7	3.1
NW	.7			.5	.1	.0*			.0*	.0	.0	.0	.0	.0	.0	1.4	4.3
NNW	1.3			1.9	1.6	.9			.1	.0*	.0	.0	.0	.0	.0	5.7	6.9
VAR	.0			.0	.0	.0			.0	.0	.0	.0	.0	.0	.0	.0	.0
CLM	.0			.0	.0	.0			.0	.0	.0	.0	.0	.0	.0	10.4	.0
ALL	17.6			27.7	28.3	13.5			1.9	.4	.1	.0	.0	.0	.0	100.0	6.4

TOTAL NO. OF OBS : 8174

NOTES :  
 \* = PERCENT < .05

## 2 - CEILING VS VISIBILITY

043319 : ATSUGI, JAPAN  
 PERIOD OF RECORD : 1951-1987  
 CLASS : ALL WEATHER  
 CONDITION : NONE SPECIFIED

LAT. : 35 27N LONG. : 139 27E ELEV. : 214 FT  
 MONTH : JUN  
 HOUR : 0000 LST

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

CEILING	VISIBILITY (STATUTE MILES)															
	>=10	>=6	>=5	>=4	>=3	>=2	1/2	>=1	1/4	>=1	>=3/4	>=5/8	>=1/2	>=5/16	>=1/4	>=0
UNLIMIT	17.5	23.6	26.5	28.3	30.3	30.9	32.3	32.7	32.9	33.0	33.0	33.0	33.2	33.3	33.6	33.6
>=20000	17.9	25.3	28.7	30.9	33.2	33.9	35.6	36.0	36.2	36.3	36.3	36.3	36.5	36.6	36.9	36.9
>=18000	18.1	25.6	29.0	31.2	33.5	34.2	35.9	36.3	36.5	36.6	36.6	36.6	36.8	36.9	37.2	37.2
>=16000	18.2	25.7	29.1	31.4	33.6	34.4	36.0	36.5	36.6	36.8	36.8	36.8	36.9	37.1	37.4	37.4
>=14000	18.4	27.1	30.6	33.0	35.3	36.2	37.8	38.3	38.4	38.6	38.6	38.6	38.9	39.0	39.3	39.3
>=12000	19.1	29.7	33.5	36.5	39.0	39.9	41.6	42.2	42.3	42.5	42.6	42.6	42.9	43.0	43.3	43.3
>=10000	21.2	33.6	38.1	41.3	44.1	45.6	47.5	48.1	48.3	48.4	48.6	48.6	48.9	49.0	49.3	49.3
>=9000	21.5	34.2	38.7	42.0	44.8	46.3	48.3	48.9	49.0	49.2	49.3	49.3	49.6	49.8	50.1	50.1
>=8000	22.7	35.9	40.8	44.1	47.1	48.6	50.7	51.3	51.4	51.6	51.7	51.7	52.0	52.2	52.5	52.5
>=7000	22.7	36.5	41.4	45.0	48.1	49.6	51.7	52.3	52.5	52.6	52.8	52.8	53.1	53.2	53.5	53.5
>=6000	23.2	37.5	42.8	46.3	49.8	51.3	53.4	54.0	54.1	54.3	54.4	54.4	54.7	54.9	55.2	55.2
>=5000	24.7	40.2	46.2	49.9	53.7	55.5	57.8	58.4	58.6	58.9	59.0	59.0	59.3	59.5	59.8	59.8
>=4500	25.4	41.3	47.2	51.1	55.3	57.1	59.5	60.1	60.2	60.5	60.7	60.7	61.0	61.1	61.4	61.4
>=4000	26.3	43.0	49.2	53.5	58.4	60.2	62.8	63.8	64.0	64.3	64.4	64.4	64.7	64.9	65.2	65.2
>=3500	26.9	44.4	50.8	55.3	60.4	62.2	64.7	65.8	65.9	66.4	66.5	66.5	66.8	67.0	67.3	67.3
>=3000	27.4	45.9	52.9	57.8	63.4	65.5	68.3	69.4	69.7	70.3	70.4	70.4	70.7	70.9	71.2	71.2
>=2500	27.8	47.5	54.6	59.9	65.9	68.0	71.0	72.0	72.3	72.9	73.1	73.1	73.4	73.5	73.8	73.8
>=2000	28.6	49.8	57.1	63.2	69.4	71.4	74.4	75.8	76.1	76.7	77.0	77.0	77.3	77.4	77.7	77.7
>=1800	28.7	50.1	57.4	63.8	70.0	72.0	75.0	76.7	77.0	77.6	77.9	77.9	78.2	78.3	78.6	78.6
>=1500	29.1	51.4	59.2	65.9	72.5	74.7	78.2	80.1	80.4	81.3	81.6	81.6	81.9	82.1	82.4	82.4
>=1200	29.4	52.2	60.1	66.8	73.7	76.4	80.7	83.1	83.7	84.6	84.9	84.9	85.2	85.4	85.7	85.7
>=1000	29.4	52.8	60.8	67.6	74.4	77.7	82.5	85.4	86.1	87.3	87.6	87.6	88.0	88.2	88.5	88.5
>=900	29.4	52.9	61.1	68.2	75.2	78.6	83.6	87.0	87.7	88.9	89.4	89.4	89.8	90.0	90.3	90.3
>=800	29.4	52.9	61.1	68.3	75.6	79.2	84.6	88.2	88.9	90.1	90.6	90.6	91.2	91.3	91.6	91.6
>=700	29.4	52.9	61.1	68.3	76.4	80.3	85.8	89.5	90.3	91.6	92.1	92.1	92.7	92.8	93.1	93.1
>=600	29.4	53.1	61.3	68.5	76.7	80.7	86.8	91.0	91.8	93.1	93.6	93.6	94.2	94.3	94.6	94.6
>=500	29.6	53.5	61.7	69.1	77.4	81.8	87.9	92.8	93.7	95.1	95.5	95.5	96.1	96.3	96.6	96.6
>=400	29.6	53.5	61.7	69.2	77.6	82.1	88.3	93.3	94.2	95.8	96.4	96.4	97.0	97.2	97.5	97.5
>=300	29.6	53.7	61.9	69.4	77.9	82.4	88.9	94.0	94.9	96.7	97.3	97.3	98.1	98.2	98.5	98.5
>=200	29.6	53.7	61.9	69.4	77.9	82.4	88.9	94.0	94.9	96.7	97.5	97.5	98.1	98.2	98.5	98.5
>=100	29.6	53.7	61.9	69.4	77.9	82.4	88.9	94.0	95.1	96.9	97.6	97.6	98.1	98.2	98.5	98.5
>=0	29.6	53.7	61.9	69.4	77.9	82.4	88.9	94.0	95.1	96.9	97.6	97.6	98.1	98.2	98.5	98.5

TOTAL NO. OF OPS : 669

## 2 - (CEILING VS VISIBILITY)

043319 : ATSUGI, JAPAN  
 PERIOD OF RECORD : 1951-1987  
 CLASS : ALL WEATHER  
 CONDITION : NONE SPECIFIED

LAT. : 35 27N LONG. : 139 27E ELEV. : 214 FT  
 MONTH : JUN  
 HOUR : 0300 LST

PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)

CEILING	VISIBILITY (STATUTE MILES)															
	>=10	>=6	>=5	>=4	>=3	>=2 1/2	>=2	>=1 1/2	>=1	>=3/4	>=5/8	>=1/2	>=5/16	>=1/4	>=0	
UNLIMIT	12.0	19.5	21.8	25.0	27.4	27.8	29.0	30.1	30.9	31.3	31.3	31.3	31.3	31.5	31.8	
>=20000	12.1	20.4	22.8	26.2	29.0	29.8	31.2	32.4	33.3	33.7	33.7	33.7	33.7	33.9	34.2	
>=18000	12.1	20.7	23.1	26.5	29.3	30.1	31.5	32.7	33.6	34.0	34.0	34.0	34.0	34.2	34.5	
>=16000	12.3	20.9	23.3	26.6	29.5	30.3	31.6	32.8	33.7	34.2	34.2	34.2	34.2	34.3	34.6	
>=14000	12.6	21.8	24.4	27.7	30.9	31.6	33.3	34.5	35.4	35.9	35.9	35.9	35.9	36.0	36.3	
>=12000	13.6	23.4	26.2	29.7	33.6	34.3	36.2	37.4	38.4	38.9	38.9	38.9	38.9	39.0	39.3	
>=10000	14.8	26.0	28.9	32.7	37.1	38.3	40.2	41.9	43.1	43.6	43.6	43.6	43.6	43.7	44.2	
>= 9000	15.3	26.6	29.7	33.6	38.0	39.3	41.3	43.0	44.2	44.6	44.6	44.6	44.6	44.8	45.2	
>= 8000	16.3	27.8	31.0	35.2	40.2	41.6	43.6	45.2	46.4	46.9	46.9	46.9	46.9	47.0	47.5	
>= 7000	16.9	29.3	32.5	36.9	41.9	43.3	45.2	46.9	48.1	48.6	48.6	48.6	48.6	48.7	49.2	
>= 6000	17.2	29.8	33.0	37.4	42.4	43.7	45.7	47.4	48.6	49.0	49.0	49.0	49.0	49.2	49.6	
>= 5000	18.6	32.7	36.3	40.7	45.8	47.4	49.3	51.3	52.5	53.0	53.0	53.0	53.0	53.1	53.6	
>= 4500	19.2	33.7	37.4	41.8	47.0	49.0	51.0	53.0	54.2	54.6	54.6	54.6	54.6	54.8	55.4	
>= 4000	19.8	35.6	39.3	43.7	49.5	51.7	53.7	55.8	57.0	57.5	57.5	57.5	57.5	57.6	58.2	
>= 3500	20.3	36.9	40.7	45.2	51.0	53.6	55.5	57.6	58.9	59.3	59.3	59.3	59.3	59.5	60.1	
>= 3000	21.0	39.2	43.3	48.3	54.6	57.2	59.8	62.0	63.5	64.0	64.0	64.0	64.0	64.1	64.8	
>= 2500	21.3	40.2	44.6	50.2	57.2	60.1	63.1	65.5	67.0	67.5	67.5	67.5	67.5	67.6	68.2	
>= 2000	22.2	42.2	46.7	53.1	60.4	63.7	67.0	69.6	71.1	71.6	71.6	71.6	71.6	71.7	72.3	
>= 1800	22.2	42.7	47.2	53.9	61.3	64.6	68.1	70.7	72.3	72.8	72.8	72.8	72.8	72.9	73.5	
>= 1500	22.5	44.0	48.7	56.0	64.1	67.9	71.7	74.4	76.1	76.7	76.7	76.9	76.9	77.0	77.6	
>= 1200	23.0	45.2	50.4	58.1	67.2	71.0	75.2	78.1	80.2	80.8	80.8	80.9	80.9	81.1	81.7	
>= 1000	23.0	45.4	51.1	59.3	68.8	72.9	77.5	80.5	83.1	84.0	84.0	84.1	84.1	84.3	84.9	
>= 900	23.0	45.7	51.4	59.9	69.9	74.0	78.8	82.1	85.0	85.9	85.9	86.1	86.1	86.2	86.8	
>= 800	23.0	45.8	51.6	60.1	70.5	74.7	79.7	83.1	86.1	87.0	87.0	87.1	87.1	87.3	87.9	
>= 700	23.0	45.8	51.6	60.1	70.7	75.0	80.6	84.4	87.9	88.8	88.8	89.0	89.0	89.1	89.7	
>= 600	23.1	46.0	51.7	60.5	72.0	76.7	82.8	87.3	91.1	92.3	92.3	92.4	92.4	92.6	93.2	
>= 500	23.1	46.1	51.9	60.7	72.6	77.6	83.7	88.8	93.2	94.4	94.4	94.7	94.7	94.9	95.5	
>= 400	23.1	46.3	52.0	60.8	72.9	78.1	84.3	89.6	94.3	95.5	95.5	96.1	96.1	96.2	96.8	
>= 300	23.3	46.4	52.2	61.1	73.2	78.4	84.6	90.0	94.7	96.2	96.2	97.0	97.0	97.1	97.7	
>= 200	23.3	46.4	52.2	61.1	73.2	78.4	84.6	90.0	95.0	96.7	96.7	97.4	97.4	97.7	98.3	
>= 100	23.3	46.4	52.2	61.1	73.2	78.4	84.6	90.0	95.0	96.8	96.8	98.0	98.0	98.3	98.8	
>= 0	23.3	46.4	52.2	61.1	73.2	78.4	84.6	90.0	95.0	96.8	96.8	98.0	98.0	98.9	100.0	

TOTAL NO. OF OBS : 661

## 2 - CEILING VS VISIBILITY

043319 : ATSUGI, JAPAN  
 PERIOD OF RECORD : 1951-1987  
 CLASS : ALL WEATHER  
 CONDITION : NONE SPECIFIED

LAT. : 35 27N LONG. : 139 27E ELEV. : 214 FT  
 MONTH : JUN  
 HOUR : 0600 LST

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

CEILING	VISIBILITY (STATUTE MILES)															
	>=10	>=6	>=5	>=4	>=3	>=2	1/2	>=2	1/4	>=1	>=3/4	>=5/8	>=1/2	>=5/16	>=1/4	>=0
UNLIMIT	6.3	10.4	12.8	15.0	18.4	19.7	22.0	23.1	23.5	24.1	24.5	24.6	25.2	25.2	25.2	25.5
>=20000	6.8	11.1	13.6	15.9	19.8	21.4	24.1	25.4	25.9	26.5	26.8	27.1	27.7	27.7	27.7	28.0
>=18000	7.0	11.8	14.2	16.7	20.6	22.1	25.1	26.3	26.8	27.4	27.7	28.0	28.6	28.6	28.6	28.9
>=16000	7.1	11.9	14.6	17.0	21.1	22.6	25.5	26.8	27.2	27.9	28.2	28.5	29.1	29.1	29.1	29.4
>=14000	7.6	13.0	15.6	18.4	22.8	24.6	27.6	28.8	29.3	29.9	30.3	30.7	31.4	31.4	31.4	31.7
>=12000	7.9	14.1	16.9	19.8	24.5	26.3	29.4	31.0	31.4	32.4	33.0	33.3	34.1	34.1	34.1	34.4
>=10000	9.1	16.3	19.8	22.9	28.3	30.3	34.4	36.1	36.5	37.5	38.5	38.9	39.8	39.8	39.8	40.1
>=9000	9.9	17.3	21.1	24.1	29.7	31.9	35.9	37.8	38.2	39.2	40.4	40.7	41.6	41.6	41.6	42.1
>=8000	10.8	19.0	22.8	25.9	31.4	33.9	38.2	40.7	41.3	42.3	43.5	43.8	44.7	44.7	44.7	45.2
>=7000	11.1	20.0	23.8	26.9	32.7	35.6	39.9	42.6	43.2	44.1	45.4	45.7	46.6	46.6	46.6	47.1
>=6000	11.5	20.7	24.9	28.3	34.1	37.0	41.5	44.1	44.7	45.7	47.1	47.4	48.3	48.3	48.3	48.8
>=5000	13.0	23.5	28.0	31.6	37.6	40.9	45.7	48.3	48.9	50.0	51.4	51.7	52.8	52.8	52.8	53.3
>=4500	13.9	25.2	30.5	34.5	41.5	45.0	50.2	53.1	53.9	55.0	56.3	56.7	57.7	57.7	57.9	58.5
>=4000	14.6	26.3	32.0	36.2	43.5	47.2	52.5	55.7	56.5	58.0	59.4	59.8	60.8	60.8	61.0	61.6
>=3500	14.7	26.8	32.8	37.5	44.7	48.8	54.2	57.4	58.2	59.8	61.3	61.6	62.7	62.7	62.8	63.5
>=3000	15.5	28.9	35.3	40.1	47.5	52.0	57.7	61.3	62.4	64.1	65.6	65.9	67.2	67.2	67.3	68.0
>=2500	15.9	29.7	36.1	41.0	48.9	53.6	59.8	63.5	64.6	66.4	68.3	68.6	70.0	70.0	70.1	70.7
>=2000	16.4	30.7	37.5	43.0	51.2	56.7	63.2	66.9	68.0	70.0	72.1	72.4	73.8	73.8	74.0	74.6
>=1800	16.4	30.8	37.8	43.3	51.5	57.4	64.1	67.8	68.9	71.1	73.2	73.5	74.9	74.9	75.1	75.7
>=1500	16.7	31.9	39.0	45.0	54.0	60.7	67.6	71.4	72.4	74.9	77.9	78.2	79.6	79.6	79.7	80.3
>=1200	16.7	32.0	39.2	45.4	54.5	61.5	68.9	72.6	73.8	76.6	79.7	80.0	81.4	81.4	81.6	82.2
>=1000	16.7	32.2	39.5	45.7	55.4	62.5	70.6	74.9	76.3	79.6	83.4	83.7	85.1	85.1	85.3	85.9
>=900	16.7	32.2	39.6	46.1	56.2	63.6	71.7	76.3	77.7	81.1	85.0	85.3	86.8	86.8	87.0	87.6
>=800	16.9	32.4	39.9	46.6	56.7	64.6	72.9	78.0	79.6	83.1	87.3	87.6	89.3	89.3	89.8	90.4
>=700	16.9	32.4	39.9	46.6	56.8	65.2	73.5	78.6	80.2	83.9	88.4	88.7	90.4	90.4	90.9	91.5
>=600	16.9	32.4	39.9	46.7	57.1	65.8	74.1	79.6	81.1	85.8	90.2	90.7	92.6	92.6	93.0	93.7
>=500	16.9	32.4	39.9	46.9	57.3	66.1	74.5	80.3	82.0	87.0	92.0	92.4	94.4	94.4	95.4	96.0
>=400	16.9	32.5	40.1	47.1	57.4	66.4	74.9	81.0	82.7	88.1	93.3	93.8	96.0	96.3	97.1	97.7
>=300	16.9	32.5	40.1	47.1	57.4	66.4	75.1	81.1	82.8	88.4	94.1	94.6	96.7	97.1	97.8	98.5
>=200	16.9	32.5	40.1	47.1	57.4	66.4	75.1	81.3	83.0	88.5	94.4	94.9	97.1	97.4	98.5	99.2
>=100	16.9	32.5	40.1	47.1	57.4	66.4	75.1	81.3	83.0	88.5	94.4	94.9	97.1	97.4	98.6	99.8
>=0	16.9	32.5	40.1	47.1	57.4	66.4	75.1	81.3	83.0	88.5	94.4	94.9	97.1	97.4	98.6	100.0

TOTAL NO. OF OBS : 646

## 2 - CEILING VS VISIBILITY

043319 : ATSUGI, JAPAN

PERIOD OF RECORD : 1951-1987

CLASS : ALL WEATHER

CONDITION : NONE SPECIFIED

LAT. : 35 27N LONG. : 139 27E ELEV. : 214 FT  
MONTH : JUN  
HOUR : 0900 LSTPERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

CEILING	VISIBILITY (STATUTE MILES)														
	>=10	>=6	>=5	>=4	>=3	>=2	1/2	>=1	1/4	>=3/4	>=5/8	>=1/2	>=5/16	>=1/4	>=0
UNLIMIT	10.2	17.4	20.8	23.9	27.4	28.4	28.7	29.0	29.0	29.0	29.0	29.0	29.0	29.0	29.0
>=20000	11.2	19.4	23.4	26.7	30.4	31.3	31.6	32.1	32.1	32.1	32.1	32.1	32.1	32.1	32.1
>=18000	11.3	19.7	23.7	27.0	30.7	31.6	31.9	32.4	32.4	32.4	32.4	32.4	32.4	32.4	32.4
>=16000	11.6	20.3	24.3	27.6	31.5	32.4	32.7	33.2	33.2	33.2	33.2	33.2	33.2	33.2	33.2
>=14000	12.1	22.0	26.2	30.2	34.3	35.2	35.8	36.3	36.3	36.3	36.3	36.3	36.3	36.3	36.3
>=12000	12.1	23.4	28.1	32.2	36.7	37.8	38.9	39.8	39.8	39.8	39.8	39.8	39.8	39.8	39.8
>=10000	13.0	25.1	30.5	34.9	39.4	40.6	41.9	42.9	42.9	43.1	43.1	43.3	43.3	43.3	43.3
>=9000	13.2	25.3	30.7	35.0	39.8	41.1	42.3	43.6	43.6	43.7	43.7	43.9	43.9	43.9	43.9
>=8000	14.6	27.6	33.3	38.0	42.9	44.8	46.4	47.9	47.9	48.1	48.2	48.5	48.5	48.5	48.5
>=7000	14.6	28.1	34.0	38.6	43.7	45.9	47.6	49.1	49.1	49.3	49.5	49.8	49.8	49.8	49.8
>=6000	14.6	28.4	34.6	39.4	44.7	47.0	48.8	50.5	50.5	50.7	50.9	51.2	51.2	51.2	51.2
>=5000	15.5	29.9	36.6	41.7	47.6	50.2	52.2	54.0	54.0	54.1	54.3	54.6	54.6	54.6	54.6
>=4500	15.7	30.4	37.5	42.9	49.0	51.6	53.6	55.3	55.3	55.7	56.1	56.4	56.4	56.4	56.4
>=4000	16.6	32.6	40.0	45.6	51.8	54.6	56.6	58.3	58.3	58.6	59.2	59.5	59.5	59.5	59.5
>=3500	16.9	34.0	41.7	47.3	53.8	56.7	58.9	60.6	60.6	60.9	61.6	62.0	62.0	62.0	62.0
>=3000	17.4	35.8	43.9	50.2	57.2	60.6	62.8	64.7	64.7	65.1	65.7	66.2	66.2	66.2	66.2
>=2500	17.5	37.4	45.9	52.4	59.8	63.3	65.4	67.3	67.3	67.8	68.4	68.8	68.8	68.8	68.8
>=2000	18.0	39.1	47.8	54.7	62.8	66.8	69.3	71.6	71.6	72.1	73.0	73.5	73.5	73.5	73.5
>=1800	18.1	39.2	48.1	55.0	63.1	67.1	69.6	72.1	72.1	72.6	73.5	74.0	74.0	74.0	74.0
>=1500	18.3	39.4	48.4	55.7	64.2	69.3	73.8	76.4	76.4	76.9	77.8	78.3	78.3	78.3	78.3
>=1200	18.3	40.5	49.8	57.2	66.4	71.8	77.5	80.5	80.9	81.7	82.6	83.1	83.1	83.1	83.1
>=1000	18.3	40.5	49.8	57.5	66.8	72.6	78.9	82.8	82.8	84.0	85.0	85.4	85.4	85.4	85.4
>=900	18.3	40.6	50.2	58.3	68.1	74.1	80.5	84.2	84.7	86.2	87.1	87.6	87.6	87.6	87.6
>=800	18.3	41.1	51.0	59.5	69.5	76.1	82.8	87.6	88.2	90.1	91.3	91.8	91.8	91.8	91.8
>=700	18.3	41.1	51.0	59.7	69.9	77.2	84.5	89.8	90.4	92.2	93.6	94.1	94.1	94.1	94.1
>=600	18.3	41.1	51.0	59.8	70.2	77.7	85.0	90.2	91.3	93.3	94.9	95.0	95.3	95.3	95.3
>=500	18.3	41.4	51.3	60.2	70.5	78.0	85.6	91.3	92.6	94.9	96.7	97.2	97.2	97.2	97.2
>=400	18.3	41.4	51.3	60.3	70.7	78.3	86.4	92.2	93.6	96.1	98.4	98.9	98.9	98.9	98.9
>=300	18.3	41.4	51.3	60.3	70.7	78.3	86.4	92.6	94.0	96.6	99.4	99.8	99.8	99.8	99.8
>=200	18.3	41.4	51.5	60.5	70.9	78.4	86.5	92.7	94.1	96.7	99.5	100.0	100.0	100.0	100.0
>=100	18.3	41.4	51.5	60.5	70.9	78.4	86.5	92.7	94.1	96.7	99.5	100.0	100.0	100.0	100.0
>=0	18.3	41.4	51.5	60.5	70.9	78.4	86.5	92.7	94.1	96.7	99.5	100.0	100.0	100.0	100.0

TOTAL NO. OF OBS : 645

## 2 - CEILING VS VISIBILITY

043319 : ATSUGI, JAPAN  
 PERIOD OF RECORD : 1951-1987  
 CLASS : ALL WEATHER  
 CONDITION : NONE SPECIFIED

LAT. : 35 27N LONG. : 139 27E ELEV. : 214 FT  
 MONTH : JUN  
 HOUR : 1200 LST

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

CEILING	VISIBILITY (STATUTE MILES)															
	>=10	>=6	>=5	>=4	>=3	>=2	1/2	>=2	1/4	>=1	>=3/4	>=5/8	>=1/2	>=5/16	>=1/4	>=0
UNLIMIT	13.3	19.9	22.6	24.6	25.5	25.9	26.2	26.3	26.3	26.3	26.3	26.3	26.3	26.3	26.3	26.3
>=20000	14.1	23.8	27.1	29.5	30.9	31.5	31.8	32.1	32.1	32.1	32.1	32.1	32.1	32.1	32.1	32.1
>=18000	14.1	23.8	27.1	29.5	30.9	31.5	31.8	32.1	32.1	32.1	32.1	32.1	32.1	32.1	32.1	32.1
>=16000	14.3	24.3	27.9	30.4	31.8	32.4	32.8	33.1	33.1	33.1	33.1	33.1	33.1	33.1	33.1	33.1
>=14000	14.7	25.5	29.3	32.0	33.4	34.0	34.3	34.6	34.6	34.6	34.6	34.6	34.6	34.6	34.6	34.6
>=12000	15.2	27.4	31.3	34.2	35.9	37.1	37.8	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1
>=10000	16.0	29.9	34.8	38.1	40.0	41.5	42.6	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1
>= 9000	16.1	30.4	35.3	38.6	40.4	42.2	43.6	44.0	44.0	44.2	44.2	44.2	44.2	44.2	44.2	44.2
>= 8000	16.6	32.3	37.6	40.9	42.9	45.1	46.7	47.2	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3
>= 7000	16.8	32.8	38.2	42.0	44.4	46.6	48.1	48.6	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7
>= 6000	17.1	33.7	39.3	43.1	45.8	48.4	50.0	50.5	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6
>= 5000	17.9	35.9	42.0	46.2	49.4	52.2	53.9	54.7	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9
>= 4500	18.0	37.0	43.1	47.5	51.3	54.1	55.8	56.6	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7
>= 4000	19.1	39.5	46.2	51.1	55.0	58.0	59.9	60.7	60.7	60.8	60.8	60.8	60.8	60.8	60.8	60.8
>= 3500	19.6	41.4	48.4	53.9	58.5	61.4	63.5	64.3	64.4	64.6	64.6	64.6	64.6	64.6	64.6	64.6
>= 3000	19.6	42.9	51.4	58.2	63.5	67.2	69.6	70.4	70.7	71.0	71.0	71.0	71.0	71.0	71.0	71.0
>= 2500	19.7	43.6	53.0	60.2	65.5	69.7	72.7	73.7	74.0	74.3	74.3	74.3	74.3	74.3	74.3	74.3
>= 2000	19.9	45.8	55.5	63.3	69.6	74.0	77.7	78.7	79.0	79.3	79.3	79.3	79.3	79.3	79.3	79.3
>= 1800	20.1	46.1	55.8	63.8	70.2	74.6	78.4	79.5	79.8	80.1	80.1	80.1	80.1	80.1	80.1	80.1
>= 1500	20.5	47.0	56.9	65.7	72.4	77.3	81.7	83.4	84.0	84.3	84.3	84.3	84.3	84.3	84.3	84.3
>= 1200	20.7	48.1	58.5	67.6	74.3	79.2	83.9	86.2	86.8	87.3	87.3	87.5	87.5	87.5	87.5	87.5
>= 1000	20.8	48.9	59.6	68.7	76.0	81.0	86.5	89.0	89.7	90.6	90.6	90.8	90.8	90.8	90.8	90.8
>= 900	20.8	48.9	59.7	68.8	76.6	82.0	87.6	90.3	90.9	91.8	92.0	92.2	92.2	92.2	92.2	92.2
>= 800	20.8	49.2	60.0	69.6	77.7	83.2	89.8	92.6	93.6	94.5	95.0	95.1	95.1	95.1	95.1	95.1
>= 700	20.8	49.2	60.0	69.6	77.7	83.4	90.4	93.4	94.4	95.5	96.1	96.2	96.2	96.2	96.2	96.2
>= 600	20.8	49.2	60.0	69.6	77.7	83.5	90.9	94.4	95.3	96.7	97.5	97.6	97.6	97.6	97.6	97.6
>= 500	20.8	49.2	60.0	69.6	77.9	83.9	91.4	95.1	96.1	98.1	99.1	99.2	99.5	99.7	99.7	99.7
>= 400	20.8	49.2	60.0	69.6	77.9	83.9	91.4	95.1	96.2	98.3	99.2	99.4	99.7	99.8	99.8	99.8
>= 300	20.8	49.2	60.0	69.6	77.9	84.0	91.5	95.3	96.4	98.4	99.4	99.5	99.8	100.0	100.0	100.0
>= 200	20.8	49.2	60.0	69.6	77.9	84.0	91.5	95.3	96.4	98.4	99.4	99.5	99.8	100.0	100.0	100.0
>= 100	20.8	49.2	60.0	69.6	77.9	84.0	91.5	95.3	96.4	98.4	99.4	99.5	99.8	100.0	100.0	100.0
>= 0	20.8	49.2	60.0	69.6	77.9	84.0	91.5	95.3	96.4	98.4	99.4	99.5	99.8	100.0	100.0	100.0

TOTAL NO. OF OBS : 638

043319 : ATSUGI, JAPAN  
 PERIOD OF RECORD : 1951-1987  
 CLASS : ALL WEATHER  
 CONDITION : NONE SPECIFIED

LAT. : 35 27N LONG. : 139 27E ELEV. : 214 FT  
 MONTH : JUN  
 HOUR : 1500 LST

PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)

CEILING	VISIBILITY (STATUTE MILES)															
	>=10	>=6	>=5	>=4	>=3	>=2	1/2	>=2	>=1	1/2	>=1	>=3/4	>=5/8	>=1/2	>=5/16	>=1/4
UNLIMIT	14.7	22.9	25.8	27.3	28.2	28.4	28.5	28.5	28.5	28.5	28.5	28.5	28.5	28.5	28.5	28.5
>=20000	16.4	26.8	29.9	31.7	32.8	33.0	33.4	33.4	33.4	33.4	33.4	33.4	33.4	33.4	33.4	33.4
>=18000	16.7	27.3	30.5	32.5	33.6	33.7	33.9	34.2	34.2	34.2	34.2	34.2	34.2	34.2	34.2	34.2
>=16000	16.9	27.5	31.0	33.0	34.0	34.2	34.4	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7
>=14000	17.8	29.0	32.8	35.1	36.2	36.3	36.5	36.8	36.8	36.8	36.8	36.8	36.8	36.8	36.8	36.8
>=12000	19.3	32.7	37.1	39.9	41.3	41.7	41.9	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2
>=10000	20.2	35.9	40.6	44.0	45.9	46.9	47.4	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7
>= 9000	20.2	35.9	40.8	44.2	46.0	47.2	47.7	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0
>= 8000	20.7	37.4	43.3	47.1	49.5	51.1	51.8	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1
>= 7000	21.2	38.5	44.3	48.3	50.9	52.5	53.2	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5
>= 6000	21.6	39.7	45.7	49.8	52.5	54.1	54.9	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2
>= 5000	22.7	42.9	49.4	53.8	56.9	59.0	59.8	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3
>= 4500	23.5	44.6	51.2	56.0	59.2	61.7	62.4	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9
>= 4000	23.9	46.8	53.7	59.2	62.7	65.5	66.7	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2
>= 3500	24.5	48.3	55.5	61.3	65.3	68.4	69.6	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1
>= 3000	25.8	51.1	59.0	65.5	70.2	73.8	75.0	75.6	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8
>= 2500	25.9	52.0	60.1	66.9	71.9	75.9	77.1	77.9	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2
>= 2000	26.2	53.2	61.5	68.9	74.8	79.6	81.4	82.8	83.1	83.1	83.1	83.3	83.3	83.4	83.4	83.4
>= 1800	26.4	53.4	61.8	69.2	75.2	80.1	81.9	83.3	83.6	83.6	83.6	83.9	83.9	84.0	84.0	84.0
>= 1500	26.4	54.4	63.2	71.0	77.1	82.7	85.0	86.7	87.0	87.0	87.0	87.3	87.3	87.4	87.4	87.4
>= 1200	26.4	55.1	64.0	71.9	78.5	84.4	87.3	89.1	89.4	89.4	89.4	89.9	89.9	90.0	90.0	90.0
>= 1000	26.4	55.5	64.6	72.7	79.6	85.9	88.8	90.8	91.1	91.1	91.1	92.0	92.3	92.5	92.5	92.5
>= 900	26.4	55.8	64.9	73.2	80.1	86.3	89.3	91.4	91.7	91.7	91.7	92.6	92.9	93.1	93.1	93.1
>= 800	26.4	56.3	65.5	74.1	81.0	87.6	91.0	93.1	93.4	93.4	93.4	94.6	94.6	94.9	94.9	94.9
>= 700	26.4	56.4	65.6	74.2	81.1	87.7	91.4	93.6	94.0	94.0	94.0	95.4	95.9	96.2	96.2	96.2
>= 600	26.4	56.4	65.6	74.2	81.3	87.9	91.7	94.3	95.1	95.1	95.1	96.9	97.7	98.0	98.3	98.3
>= 500	26.4	56.4	65.6	74.2	81.3	88.2	92.2	95.1	95.9	95.9	95.9	97.7	98.5	98.8	99.1	99.1
>= 400	26.4	56.4	65.6	74.2	81.3	88.2	92.2	95.1	95.9	95.9	95.9	97.7	98.5	98.8	99.1	99.1
>= 300	26.4	56.4	65.6	74.2	81.3	88.2	92.3	95.2	96.0	96.0	96.0	98.3	99.4	99.7	100.0	100.0
>= 200	26.4	56.4	65.6	74.2	81.3	88.2	92.3	95.2	96.0	96.0	96.0	98.3	99.4	99.7	100.0	100.0
>= 100	26.4	56.4	65.6	74.2	81.3	88.2	92.3	95.2	96.0	96.0	96.0	98.3	99.4	99.7	100.0	100.0
>= 0	26.4	56.4	65.6	74.2	81.3	88.2	92.3	95.2	96.0	96.0	96.0	98.3	99.4	99.7	100.0	100.0

TOTAL NO. OF OBS : 652

## 2 - CEILING VS VISIBILITY

043319 : ATSUGI, JAPAN  
PERIOD OF RECORD : 1951-1987  
CLASS : ALL WEATHER  
CONDITION : NONE SPECIFIED

LAT. : 35 27N LONG. : 139 27E ELEV. : 214 FT  
MONTH : JUN  
HOUR : 1800 LST

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

CEILING	VISIBILITY (STATUTE MILES)															
	>=10	>=6	>=5	>=4	>=3	>=2	1/2	>=1	1/4	>=1	>=3/4	>=5/8	>=1/2	>=5/16	>=1/4	>=0
UNLIMIT	11.9	19.7	22.1	23.5	24.9	25.1	26.0	26.2	26.2	26.2	26.2	26.2	26.2	26.2	26.2	26.2
>=20000	13.2	22.6	25.4	27.1	28.8	29.1	30.0	30.3	30.3	30.3	30.3	30.3	30.3	30.3	30.3	30.3
>=18000	13.5	23.2	26.0	27.7	29.6	29.9	30.8	31.1	31.1	31.1	31.1	31.1	31.1	31.1	31.1	31.1
>=16000	13.6	23.7	26.6	28.5	30.3	30.7	31.6	31.9	31.9	32.0	32.0	32.0	32.0	32.0	32.0	32.0
>=14000	14.2	25.2	28.5	30.5	32.4	32.7	33.7	34.1	34.1	34.2	34.4	34.4	34.4	34.4	34.4	34.4
>=12000	16.1	30.5	34.4	37.0	39.3	39.9	41.0	41.3	41.3	41.5	41.6	41.6	41.6	41.6	41.6	41.6
>=10000	17.3	34.1	38.5	42.3	45.0	46.1	47.4	47.8	48.0	48.1	48.1	48.1	48.1	48.1	48.1	48.1
>=8000	17.5	35.1	39.9	43.7	46.6	47.7	48.9	49.4	49.4	49.5	49.7	49.7	49.7	49.7	49.7	49.7
>=6000	18.1	36.8	42.0	46.6	50.0	51.5	52.9	53.6	53.7	53.9	53.9	53.9	53.9	53.9	53.9	53.9
>=4000	18.7	38.9	44.0	48.9	52.5	54.2	55.7	56.5	56.5	56.7	56.8	56.8	56.8	56.8	56.8	56.8
>=2000	19.5	40.1	45.4	50.3	54.0	55.9	57.6	58.4	58.4	58.5	58.7	58.7	58.7	58.7	58.7	58.7
>=1000	20.4	43.2	49.4	55.0	58.8	61.1	63.0	63.9	63.9	64.1	64.2	64.2	64.2	64.2	64.2	64.2
>=500	21.1	44.4	50.9	56.8	61.0	63.5	65.5	66.6	66.6	66.7	66.9	66.9	66.9	67.0	67.0	67.2
>=250	21.7	46.9	53.9	60.2	64.4	67.5	69.8	70.9	70.9	71.2	71.4	71.4	71.4	71.5	71.5	71.7
>=125	21.7	47.7	55.0	61.6	66.1	69.5	71.8	72.9	72.9	73.4	73.5	73.5	73.5	73.7	73.7	73.8
>=62.5	21.7	48.5	56.2	63.8	68.7	72.8	75.1	76.3	76.3	77.1	77.2	77.2	77.2	77.4	77.4	77.6
>=31.25	21.7	49.2	57.1	64.9	69.8	74.3	76.9	78.9	78.9	79.7	79.9	79.9	79.9	80.0	80.0	80.2
>=15.625	22.0	49.7	57.9	65.8	71.2	75.9	78.6	80.8	80.8	82.0	82.2	82.2	82.2	82.4	82.4	82.5
>=7.8125	22.0	49.7	58.0	65.9	71.4	76.0	78.9	81.3	81.3	82.5	82.7	82.7	82.7	82.8	82.8	83.0
>=3.90625	22.0	50.2	58.5	67.0	73.2	78.0	81.4	83.9	84.2	85.6	85.9	85.9	85.9	86.1	86.1	86.2
>=1.953125	22.1	50.6	59.3	68.1	74.5	79.6	83.6	86.2	86.5	87.9	88.2	88.2	88.2	88.4	88.4	88.5
>=976.5625	22.1	50.9	59.6	68.4	75.1	80.3	84.8	87.6	87.9	89.8	90.4	90.4	90.4	90.6	90.6	90.7
>=488.28125	22.1	50.9	59.6	68.4	75.2	80.5	85.1	88.2	88.5	90.4	91.0	91.0	91.0	91.2	91.2	91.3
>=244.140625	22.1	50.9	59.6	68.4	75.4	80.7	85.4	88.7	89.0	91.3	92.3	92.3	92.3	92.4	92.4	92.7
>=122.0703125	22.1	51.1	59.8	68.7	75.9	81.4	86.4	89.8	90.1	93.0	94.1	94.1	94.1	94.3	94.3	94.6
>=61.03515625	22.1	51.1	59.8	68.9	76.2	81.9	86.8	90.9	91.3	94.4	95.7	95.7	95.7	96.1	96.1	96.4
>=30.517578125	22.1	51.2	59.9	69.0	76.3	82.0	87.0	91.5	92.0	96.0	97.5	97.5	97.5	98.0	98.1	98.5
>=15.2587890625	22.1	51.4	60.1	69.2	76.5	82.2	87.2	92.0	92.4	96.4	98.0	98.0	98.0	98.6	98.6	98.9
>=7.62939453125	22.1	51.4	60.1	69.3	76.6	82.5	87.5	92.3	92.7	96.7	98.6	98.6	98.6	99.2	99.4	99.7
>=3.814697265625	22.1	51.4	60.1	69.3	76.6	82.5	87.5	92.4	92.9	96.9	98.8	98.8	98.8	99.5	99.7	100.0
>=1.9073486328125	22.1	51.4	60.1	69.3	76.6	82.5	87.5	92.4	92.9	96.9	98.8	98.8	98.8	99.5	99.7	100.0
>=0.95367431640625	22.1	51.4	60.1	69.3	76.6	82.5	87.5	92.4	92.9	96.9	98.8	98.8	98.8	99.5	99.7	100.0

TOTAL NO. OF OBS : 646



043319 : ATSUGI, JAPAN  
PERIOD OF RECORD : 1951-1987

LAT. : 35 27N LONG. : 139 27E ELEV. : 214 FT  
MONTH : JUN  
HOUR : 2100 LST

CLASS : ALL WEATHER

CONDITION : NONE SPECIFIED

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

CEILING	VISIBILITY (STATUTE MILES)															
	>=10	>=6	>=5	>=4	>=3	>=2	1/2	>=2	>=1	1/2	>=1	1/4	>=1	>=3/4	>=5/8	>=1/2
UNLIMIT	14.7	24.5	26.9	29.2	31.0	31.9	32.7	33.0	33.1	33.3	33.3	33.4	33.4	33.4	33.4	33.4
>=20000	15.5	26.4	29.6	32.2	34.0	35.0	35.7	36.0	36.2	36.3	36.3	36.5	36.5	36.5	36.5	36.5
>=18000	15.5	26.7	30.1	32.7	34.5	35.4	36.2	36.5	36.6	36.8	36.8	36.9	36.9	36.9	36.9	36.9
>=16000	15.7	27.1	30.4	33.0	35.0	35.9	36.6	36.9	37.1	37.2	37.2	37.4	37.4	37.4	37.4	37.4
>=14000	16.1	28.0	31.5	34.2	36.3	37.4	38.1	38.6	38.8	38.9	39.1	39.1	39.1	39.1	39.1	39.1
>=12000	17.2	30.7	35.0	37.8	40.0	41.3	42.2	42.7	42.9	43.0	43.2	43.2	43.2	43.2	43.2	43.2
>=10000	19.3	34.8	40.0	43.6	46.0	47.7	48.8	49.2	49.4	49.5	49.7	49.7	49.7	49.7	49.7	49.7
>= 9000	19.5	35.1	40.4	44.4	47.0	48.6	49.8	50.3	50.5	50.6	50.8	50.8	50.8	50.8	50.8	50.8
>= 8000	20.7	37.8	43.5	47.6	50.8	52.7	54.3	54.7	54.9	55.2	55.3	55.3	55.3	55.3	55.3	55.3
>= 7000	21.3	39.2	45.1	49.2	52.7	54.9	56.5	57.0	57.1	57.4	57.6	57.6	57.6	57.6	57.6	57.6
>= 6000	21.9	40.3	46.2	50.3	53.8	55.9	57.6	58.1	58.4	58.7	58.8	58.8	58.8	58.8	58.8	58.8
>= 5000	23.7	43.6	50.2	54.4	58.7	61.1	62.8	63.2	63.5	63.8	64.0	64.0	64.0	64.0	64.0	64.0
>= 4500	24.6	45.1	52.0	56.4	60.6	63.4	65.0	65.8	66.1	66.6	66.7	66.7	66.7	66.7	66.7	66.7
>= 4000	24.9	46.0	53.3	58.1	62.8	65.7	67.5	68.5	68.8	69.3	69.5	69.5	69.5	69.5	69.5	69.5
>= 3500	25.2	47.3	55.5	60.3	65.0	67.9	69.8	70.8	71.1	71.6	71.7	71.7	71.7	71.7	71.7	71.7
>= 3000	25.4	48.2	56.8	61.9	67.2	70.5	72.3	73.6	73.9	74.3	74.5	74.5	74.5	74.5	74.5	74.5
>= 2500	25.7	50.0	59.3	64.6	70.7	74.2	76.3	77.7	78.0	78.4	78.6	78.6	78.6	78.6	78.6	78.6
>= 2000	26.0	51.1	60.8	66.3	72.8	77.1	79.5	80.9	81.3	81.9	82.1	82.1	82.1	82.1	82.1	82.1
>= 1800	26.3	51.5	61.2	66.7	73.3	77.5	79.9	81.3	81.8	82.4	82.5	82.5	82.5	82.5	82.5	82.5
>= 1500	26.3	51.8	61.9	68.1	74.8	79.3	81.9	83.3	83.7	84.7	84.8	84.8	85.0	85.0	85.0	85.0
>= 1200	26.3	52.3	62.5	68.8	76.0	80.7	83.6	85.4	86.0	86.9	87.1	87.1	87.4	87.4	87.4	87.4
>= 1000	26.4	52.9	63.1	69.6	76.9	82.1	85.6	87.7	88.4	89.5	89.8	89.8	90.1	90.1	90.1	90.1
>= 900	26.6	53.2	63.5	70.4	77.7	82.8	86.6	89.2	90.0	91.0	91.5	91.5	91.8	91.8	91.8	91.8
>= 800	26.6	53.2	63.5	70.4	78.0	83.3	87.4	90.4	91.2	92.2	92.7	92.7	93.2	93.2	93.2	93.2
>= 700	26.6	53.5	63.8	70.8	78.4	83.7	88.0	91.2	92.1	93.5	94.1	94.1	94.5	94.5	94.5	94.5
>= 600	26.6	53.6	64.3	71.3	78.9	84.2	88.8	92.1	93.0	94.5	95.1	95.1	95.6	95.6	95.6	95.6
>= 500	26.6	54.0	64.7	72.0	79.8	85.1	89.8	93.2	94.1	95.7	96.8	96.8	97.3	97.3	97.3	97.3
>= 400	26.6	54.1	64.9	72.2	79.9	85.4	90.4	94.2	95.1	97.0	98.5	98.5	98.9	98.9	98.9	98.9
>= 300	26.6	54.1	64.9	72.2	80.1	85.7	90.9	95.0	95.9	97.7	99.2	99.2	99.7	99.7	99.7	99.7
>= 200	26.6	54.1	64.9	72.2	80.1	85.7	90.9	95.0	95.9	97.7	99.2	99.2	99.7	99.7	99.7	99.7
>= 100	26.6	54.1	64.9	72.2	80.1	85.7	90.9	95.0	95.9	98.0	99.5	99.5	100.0	100.0	100.0	100.0
>= 0	26.6	54.1	64.9	72.2	80.1	85.7	90.9	95.0	95.9	98.0	99.5	99.5	100.0	100.0	100.0	100.0

TOTAL NO. OF OBS : 658

043319 : AYSUGI, JAPAN  
 PERIOD OF RECORD : 1951-1987  
 CLASS : ALL WEATHER  
 CONDITION : NONE SPECIFIED

LAT. : 35 27N LONG. : 139 27E ELEV. : 214 FT  
 MONTH : JUN  
 HOUR : ALL

PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)

CEILING	VISIBILITY (STATUTE MILES)															
	>=10	>=6	>=5	>=4	>=3	>=2	1/2	>=1	1/4	>=1	>=3/4	>=5/8	>=1/2	>=5/16	>=1/4	>=0
UNLIMIT	12.6	19.8	22.4	24.6	26.7	27.3	28.2	28.6	28.7	29.0	29.1	29.1	29.2	29.2	29.3	29.3
>=20000	13.4	22.0	25.1	27.6	29.9	30.6	31.7	32.3	32.3	32.6	32.7	32.7	32.8	32.8	32.9	33.0
>=16000	13.6	22.4	25.5	28.0	30.4	31.1	32.2	32.7	32.8	33.1	33.2	33.2	33.3	33.3	33.4	33.5
>=16000	13.7	22.7	25.9	28.5	30.9	31.6	32.7	33.3	33.3	33.6	33.7	33.7	33.8	33.9	33.9	34.0
>=14000	14.2	24.0	27.4	30.2	32.7	33.5	34.7	35.3	35.4	35.6	35.8	35.8	35.9	36.0	36.0	36.1
>=12000	15.1	26.5	30.3	33.4	36.3	37.3	38.6	39.3	39.4	39.8	39.9	40.0	40.1	40.2	40.3	40.3
>=10000	16.4	29.5	33.9	37.5	40.7	42.2	43.8	44.6	44.7	45.1	45.3	45.4	45.5	45.6	45.6	45.7
>= 9000	16.7	30.0	34.6	38.2	41.6	43.1	44.8	45.6	45.7	46.1	46.4	46.4	46.6	46.6	46.7	46.8
>= 8000	17.6	31.9	36.8	40.7	44.4	46.2	48.1	49.1	49.2	49.6	49.9	49.9	50.1	50.1	50.2	50.3
>= 7000	17.9	32.9	37.9	42.0	45.9	47.8	49.8	50.8	50.9	51.3	51.6	51.7	51.9	51.9	51.9	52.0
>= 6000	18.4	33.8	39.0	43.1	47.1	49.2	51.2	52.3	52.4	52.8	53.1	53.1	53.3	53.3	53.4	53.5
>= 5000	19.6	36.5	42.3	46.7	51.1	53.4	55.6	56.8	56.9	57.3	57.6	57.7	57.9	57.9	58.0	58.1
>= 4500	20.2	37.8	43.8	48.4	53.1	55.7	57.9	59.2	59.3	59.8	60.1	60.2	60.4	60.4	60.5	60.7
>= 4000	20.9	39.6	46.0	51.0	56.0	58.8	61.2	62.6	62.8	63.3	63.7	63.7	63.9	64.0	64.0	64.2
>= 3500	21.3	40.9	47.6	52.8	58.1	61.1	63.5	64.9	65.1	65.7	66.1	66.1	66.3	66.4	66.5	66.6
>= 3000	21.7	42.6	49.9	55.7	61.6	64.9	67.6	69.1	69.4	70.1	70.5	70.6	70.8	70.9	70.9	71.1
>= 2500	22.0	43.7	51.4	57.5	63.7	67.4	70.3	72.1	72.3	73.1	73.5	73.6	73.9	73.9	74.0	74.2
>= 2000	22.5	45.2	53.1	59.8	66.5	70.6	73.9	75.9	76.2	77.0	77.6	77.6	77.9	77.9	78.0	78.2
>= 1800	22.6	45.5	53.4	60.2	67.0	71.2	74.5	76.6	76.9	77.8	78.3	78.4	78.6	78.7	78.8	78.9
>= 1500	22.8	46.3	54.5	61.8	69.1	73.7	77.7	79.9	80.3	81.3	82.0	82.1	82.4	82.4	82.5	82.7
>= 1200	22.9	47.0	55.5	63.0	70.6	75.6	80.1	82.6	83.2	84.4	85.1	85.1	85.5	85.5	85.6	85.8
>= 1000	23.0	47.4	56.0	63.7	71.7	76.9	81.9	84.8	85.4	87.0	87.9	88.0	88.3	88.3	88.4	88.6
>= 900	23.0	47.6	56.3	64.2	72.4	77.8	82.9	86.1	86.7	88.4	89.4	89.4	89.8	89.8	89.9	90.1
>= 800	23.0	47.8	56.6	64.6	73.1	78.7	84.2	87.7	88.4	90.2	91.3	91.4	91.9	91.9	92.0	92.2
>= 700	23.0	47.8	56.6	64.8	73.4	79.3	85.1	88.8	89.5	91.6	92.9	92.9	93.4	93.4	93.5	93.7
>= 600	23.0	47.9	56.7	65.0	73.8	79.8	85.9	90.0	90.8	93.2	94.6	94.7	95.2	95.3	95.4	95.6
>= 500	23.0	48.1	56.9	65.2	74.2	80.3	86.5	91.0	91.9	94.7	96.3	96.4	97.0	97.1	97.3	97.4
>= 400	23.0	48.1	57.0	65.3	74.3	80.6	86.9	91.6	92.5	95.5	97.3	97.4	98.1	98.2	98.3	98.5
>= 300	23.0	48.2	57.0	65.4	74.4	80.7	87.2	91.9	92.9	96.0	97.9	98.1	98.8	98.9	99.0	99.2
>= 200	23.0	48.2	57.1	65.4	74.4	80.8	87.2	92.0	93.0	96.0	98.1	98.2	99.1	99.2	99.4	99.6
>= 100	23.0	48.2	57.1	65.4	74.4	80.8	87.2	92.0	93.0	96.1	98.2	98.3	99.2	99.3	99.6	99.9
>= 0	23.0	48.2	57.1	65.4	74.4	80.8	87.2	92.0	93.0	96.1	98.2	98.3	99.2	99.3	99.6	100.0

TOTAL NO. OF OPS : 5215

G4319 : ATSUGI, JAPAN  
PERIOD OF RECORD : 1951-1987

LAT. : 35 27N LONG. : 139 27E ELEV. : 214 FT

MONTH : JUL

HOUR : 0000 LST

CLASS : ALL WEATHER

CONDITION : NONE SPECIFIED

PERCENTAGE FREQUENCY OF WIND  
DIRECTION VS SPEED  
(FROM HOURLY OBSERVATIONS)

16 PT. DIR.	SPEED (KNOTS)																TOTAL %	MEAN WIND SPEED
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	>=56							
N	4.3	7.5	3.2	.5	.0	.0	.0	.0	.0	.0	.0	.0	15.6	5.0				
NNE	1.6	2.9	1.6	.2	.0	.0	.0	.0	.0	.0	.0	.0	6.2	5.3				
NE	1.8	1.5	1.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	4.3	4.6				
ENE	.6	.8	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.8	4.6				
E	1.3	.7	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.4	4.0				
ESE	.7	.5	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	1.4	3.6				
SE	1.1	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.3	2.5				
SSE	1.9	1.4	1.0	.5	.1	.1	.0	.0	.0	.0	.0	.0	5.0	5.8				
S	5.8	6.2	6.3	1.9	.3	.0	.0	.0	.0	.0	.0	.0	20.6	6.1				
SSW	1.9	1.6	2.6	2.5	.3	.0	.0	.0	.0	.0	.0	.0	9.0	8.2				
SW	1.2	.5	.6	.2	.0	.0	.0	.0	.0	.0	.0	.0	2.5	5.2				
WSW	.2	.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.0	3.8				
W	.3	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.4	2.3				
WNW	.4	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.7	3.3				
NW	.7	.5	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.6	3.9				
NNW	1.5	2.3	1.5	.2	.0	.0	.0	.0	.0	.0	.0	.0	5.5	5.2				
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0				
CLM	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	20.6	.0				
ALL	25.4	27.9	18.8	6.3	.7	.1	.0	.0	.0	.0	.0	.0	100.0	4.4				

TOTAL NO. OF OBS : 945

NOTES :  
\* = PERCENT < .05

# 1 - SURFACE WINDS

043319 : ATSUGI, JAPAN  
 PERIOD OF RECORD : 1951-1987  
 CLASS : ALL WEATHER  
 CONDITION : NONE SPECIFIED

LAT. : 35 27N LONG. : 139 27E ELEV. : 214 FT  
 MONTH : JUL  
 HOUR : 0300 LST

## PERCENTAGE FREQUENCY OF WIND DIRECTION VS SPEED (FROM HOURLY OBSERVATIONS)

16 PT. DIR.	1	3	4	6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	>=56	TOTAL	MEAN
														%	WIND SPEED
N	6.3	8.7	3.6	.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	19.1	4.9
NNE	2.9	4.6	.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	8.1	4.3
NE	1.6	1.7	.4	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.8	4.1
ENE	1.0	.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.7	3.4
E	1.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.2	2.8
ESE	.6	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.7	2.7
SE	.4	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.7	2.9
SSE	1.1	1.8	.6	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	3.7	5.5
S	3.5	3.7	3.5	1.3	.1	.0	.0	.0	.0	.0	.0	.0	.0	12.1	6.0
SSW	1.4	1.1	2.0	1.8	.3	.0	.0	.0	.0	.0	.0	.0	.0	6.6	8.5
SW	1.1	.3	.5	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.2	5.8
WSW	.2	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.5	3.6
W	.6	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.9	2.8
WNW	1.3	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.4	2.8
NW	1.2	.9	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.2	3.7
NNW	2.0	3.4	1.3	.3	.1	.0	.0	.0	.0	.0	.0	.0	.0	7.1	5.3
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CLM	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	27.8	.0
ALL	26.0	27.9	13.1	4.5	.6	.0	.0	.0	.0	.0	.0	.0	.0	100.0	3.7

TOTAL NO. OF OBS : 941

NOTES :  
 # = PERCENT < .05

# 1 - SURFACE WINDS

043319 : ATSUGI, JAPAN  
 PERIOD OF RECORD : 1951-1987  
 CLASS : ALL WEATHER  
 CONDITION : NONE SPECIFIED

LAT. : 35 27N LONG. : 139 27E ELEV. : 214 FT  
 MONTH : JUL  
 HOUR : 0600 LST

## PERCENTAGE FREQUENCY OF WIND DIRECTION VS SPEED (FROM HOURLY OBSERVATIONS)

16 PT. DIR.	SPEED (KNOTS)											TOTAL %	MEAN WIND SPEED	
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	>=56			
N	8.0	10.7	5.5	.7	.0	.0	.0	.0	.0	.0	.0	.0	24.9	4.9
NNE	4.1	5.0	1.8	.1	.0	.0	.0	.0	.0	.0	.0	.0	10.9	4.5
NE	1.2	1.8	.3	.1	.0	.0	.0	.0	.0	.0	.0	.0	3.4	4.4
ENE	.8	.5	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	1.3	4.1
E	.8	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.1	2.8
ESE	.3	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.5	3.4
SE	.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.6	1.8
SSE	.8	.5	.3	.2	.0	.0	.0	.0	.0	.0	.0	.0	1.8	4.7
S	2.6	2.5	1.4	1.9	.1	.0	.0	.0	.0	.0	.0	.0	8.6	6.6
SSW	1.4	1.5	1.5	2.1	.4	.1	.0	.0	.0	.0	.0	.0	7.0	8.5
SW	.6	.2	.7	.6	.2	.0	.0	.0	.0	.0	.0	.0	2.2	9.7
WSW	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	2.0
W	1.4	.2	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.7	2.9
WNW	.8	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.0	3.1
NW	1.8	.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.7	2.9
NNW	2.6	3.0	1.2	.2	.1	.0	.0	.0	.0	.0	.0	.0	7.2	4.9
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CLM	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	25.0	.0
ALL	27.9	27.6	12.8	5.8	.8	.1	.0	.0	.0	.0	.0	.0	100.0	3.9

TOTAL NO. OF OBS : 1061

NOTES : \* = PERCENT < .05

# 1 - SURFACE WINDS

043319 : ATSUGI, JAPAN  
 PERIOD OF RECORD : 1951-1987  
 CLASS : ALL WEATHER  
 CONDITION : NONE SPECIFIED

LAT. : 35 27N LONG. : 139 27E ELEV. : 214 FT  
 MONTH : JUL  
 HOUR : 0900 LST

## PERCENTAGE FREQUENCY OF WIND DIRECTION VS SPEED (FROM HOURLY OBSERVATIONS)

16 PT. DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	>=56	TOTAL %	MEAN WIND SPEED
N	2.9	5.7	5.8	1.9	.1	.0	.0	.0	.0	.0	.0	16.4	6.7
NNE	2.9	6.5	2.8	.4	.0	.0	.0	.0	.0	.0	.0	12.6	5.4
NE	2.9	3.2	1.2	.2	.0	.0	.0	.0	.0	.0	.0	7.5	4.7
ENE	1.7	2.1	.2	.3	.0	.0	.0	.0	.0	.0	.0	4.2	4.6
E	1.8	.9	.6	.0	.0	.0	.0	.0	.0	.0	.0	3.2	3.9
ESE	1.4	.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.1	2.9
SE	1.5	.6	.2	.1	.0	.0	.0	.0	.0	.0	.0	2.4	4.0
SSE	1.6	1.3	1.6	.1	.0	.0	.0	.0	.0	.0	.0	4.5	5.1
S	4.1	4.9	5.0	3.5	.4	.0	.0	.0	.0	.0	.0	17.9	7.2
SSW	1.8	2.3	2.4	2.6	1.1	.0	.0	.0	.0	.0	.0	10.1	9.1
SW	.6	.4	.4	.5	.3	.0	.0	.0	.0	.0	.0	2.2	8.7
WSW	.3	.3	.1	.1	.0	.0	.0	.0	.0	.0	.0	.8	5.4
W	.6	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.8	3.1
WNW	.4	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0	.5	4.0
NW	.4	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.5	2.2
NNW	.8	1.5	.8	.4	.0	.0	.0	.0	.0	.0	.0	3.4	6.2
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CLM	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	10.9	.0
ALL	25.6	30.5	21.0	10.2	1.9	.0	.0	.0	.0	.0	.0	100.0	5.5

TOTAL NO. OF OBS : 1020

NOTES :  
 \* = PERCENT < .05

# 1 - SURFACE WINDS

043319 : ATSUGI, JAPAN  
 PERIOD OF RECORD : 1951-1987  
 CLASS : ALL WEATHER  
 CONDITION : NONE SPECIFIED  
 LAT. : 35 27N LONG. : 139 27E ELEV. : 214 FT  
 MONTH : JUL  
 HOUR : 1200 LST

## PERCENTAGE FREQUENCY OF WIND DIRECTION VS SPEED (FROM HOURLY OBSERVATIONS)

16 PT. DIR.	SPEED (KNOTS)											TOTAL %	MEAN WIND SPEED	
	1 - 3	4 - 6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	>=56			
N	1.6	2.6	2.7	1.3	.1	.0	.0	.0	.0	.0	.0	8.3	5.9	
NNE	1.0	3.1	2.5	.7	.0	.0	.0	.0	.0	.0	.0	7.3	6.4	
NE	1.1	2.5	1.3	.7	.0	.0	.0	.0	.0	.0	.0	5.5	6.3	
ENE	.9	1.5	1.5	.1	.0	.0	.0	.0	.0	.0	.0	4.1	5.8	
E	1.1	2.6	1.3	.2	.0	.0	.0	.0	.0	.0	.0	5.1	5.3	
ESE	.0	1.1	.7	.1	.0	.0	.0	.0	.0	.0	.0	1.8	6.2	
SE	1.5	1.9	1.1	.1	.0	.0	.0	.0	.0	.0	.0	4.6	5.0	
SSE	.4	3.2	2.3	1.0	.0	.1	.0	.0	.0	.0	.0	7.0	7.4	
S	1.3	6.9	13.9	9.4	1.6	.3	.0	.0	.0	.0	.0	33.4	9.6	
SSW	.6	2.7	4.3	4.7	1.3	.1	.0	.0	.0	.0	.0	13.6	10.3	
SW	.7	.6	1.3	.3	.2	.0	.0	.0	.0	.0	.0	3.0	7.7	
WSW	.4	.1	.4	.0	.0	.0	.0	.0	.0	.0	.0	.9	4.9	
W	.2	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.3	2.3	
WNW	.2	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.3	2.7	
NW	.2	.1	.1	.1	.0	.0	.0	.0	.0	.0	.0	.5	6.6	
NNW	.2	.2	.4	.1	.0	.0	.0	.0	.0	.0	.0	.9	6.6	
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
CLM	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.5	.0	
ALL	11.2	29.3	33.7	18.7	3.2	.5	.0	.0	.0	.0	.0	100.0	7.7	

TOTAL NO. OF OBS : 1034

NOTES :  
 \* = PERCENT < .05

# 1 - SURFACE WINDS

043319 : ATSUGI, JAPAN  
 PERIOD OF RECORD : 1951-1987  
 CLASS : ALL WEATHER  
 CONDITION : NONE SPECIFIED

LAT. : 35 27N LONG. : 139 27E ELEV. : 214 FT  
 MONTH : JUL  
 HOUR : 1500 LST

## PERCENTAGE FREQUENCY OF WIND DIRECTION VS SPEED (FROM HOURLY OBSERVATIONS)

DIR.	1	2	3	4	5	6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	>=56	TOTAL	MEAN WIND SPEED
N	.7	1.7	2.2	.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	5.1	7.0
NNE	.5	1.5	1.9	.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	4.8	7.3
NE	.3	1.5	1.0	.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.3	7.0
ENE	.4	.8	1.0	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.5	7.1
E	.5	1.5	1.2	.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.8	6.8
ESE	.3	1.7	1.4	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.5	6.3
SE	.3	1.1	.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.1	5.8
SSE	.5	1.8	3.1	1.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	6.9	8.0
S	1.6	4.2	17.6	15.9	2.3	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	41.9	10.2
SSW	.8	2.0	7.2	6.2	1.7	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	17.9	10.7
SW	.3	1.1	.5	.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.7	7.9
WSW	.3	.4	.4	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.2	7.1
W	.1	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.3	4.7
WNW	.2	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.3	2.7
NW	.4	.3	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.8	4.4
NNW	.0	.6	.3	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.0	7.4
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CLM	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
ALL	6.9	20.3	38.6	27.8	4.0	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0	8.9

TOTAL NO. OF OBS : 1062

NOTES :  
 # = PERCENT < .05



# 1 - SURFACE WINDS

043319 : ATSUGI, JAPAN  
 PERIOD OF RECORD : 1951-1987  
 CLASS : ALL WEATHER  
 CONDITION : NONE SPECIFIED

LAT. : 35 27N LONG. : 139 27E ELEV. : 214 FT  
 MONTH : JUL  
 HOUR : 1800 LST

## PERCENTAGE FREQUENCY OF WIND DIRECTION VS SPEED (FROM HOURLY OBSERVATIONS)

16 PT.	1	3	4	6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	>=56	TOTAL	MEAN
DIR.	1	3	4	6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	>=56	%	SPEED
N	.6		2.2		1.7	1.0		.0	.0	.0	.0	.0	.0	5.5	7.1
NNE	.4		1.1		1.3	.4	.0	.0	.0	.0	.0	.0	.0	3.2	6.9
NE	.2		1.4		.8	.2	.0	.0	.0	.0	.0	.0	.0	2.5	6.3
ENE	.4		.8		.8	.5	.1	.0	.0	.0	.0	.0	.0	2.6	7.4
E	.6		1.5		2.1	.6	.0	.0	.0	.0	.0	.0	.0	4.7	7.0
ESE	.5		1.4		1.2	.0	.0	.0	.0	.0	.0	.0	.0	3.1	5.7
SE	.6		1.1		.4	.1	.0	.0	.0	.0	.0	.0	.0	2.2	5.0
SSE	.8		2.5		2.8	.8	.1	.0	.0	.0	.0	.0	.0	6.9	7.2
S	2.4		8.3		19.7	9.7	.9	.1	.0	.0	.0	.0	.0	41.1	8.8
SSW	.8		3.6		8.0	5.1	.8	.0	.0	.0	.0	.0	.0	18.3	9.1
SW	.8		1.1		.9	.6	.1	.0	.0	.0	.0	.0	.0	3.5	6.8
WSW	.3		.1		.3	.1	.0	.0	.0	.0	.0	.0	.0	.8	6.8
W	.1		.1		.2	.0	.0	.0	.0	.0	.0	.0	.0	.4	5.8
WNW	.0		.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
NW	.1		.3		.2	.0	.0	.0	.0	.0	.0	.0	.0	.6	5.3
NNW	.5		.4		.7	.0	.0	.0	.0	.0	.0	.0	.0	1.5	5.7
VAR	.0		.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CLM	.0		.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	3.2	.0
ALL	8.8		25.9		41.1	18.9	2.0	.1	.0	.0	.0	.0	.0	100.0	7.8

TOTAL NO. OF OBS : 1061

NOTES :  
 \* = PERCENT < .05

# 1 - SURFACE WINDS

043319 : AISUGI, JAPAN  
 PERIOD OF RECORD : 1951-1987  
 CLASS : ALL WEATHER  
 CONDITION : NONE SPECIFIED

LAT. : 35 27N LONG. : 139 27E ELEV. : 214 FT  
 MONTH : JUL  
 HOUR : 2100 LST

## PERCENTAGE FREQUENCY OF WIND DIRECTION VS SPEED (FROM HOURLY OBSERVATIONS)

16 PT. DIR.	1 - 3	4 - 6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	>=56	TOTAL %	MEAN WIND SPEED
N	2.0	2.7	1.8	1.1	.0	.0	.0	.0	.0	.0	.0	7.6	6.4
NNE	1.0	2.1	1.8	.3	.0	.0	.0	.0	.0	.0	.0	5.2	6.0
NE	1.2	2.1	.7	.3	.0	.0	.0	.0	.0	.0	.0	4.3	5.3
ENE	.8	1.1	1.0	.1	.0	.0	.0	.0	.0	.0	.0	3.0	5.5
E	1.7	1.5	.9	.0	.0	.0	.0	.0	.0	.0	.0	4.1	4.5
ESE	.7	1.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	1.7	4.3
SE	.5	1.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	1.7	4.3
SSE	1.2	3.5	1.5	.3	.0	.0	.0	.0	.0	.0	.0	6.5	5.6
S	5.4	9.5	10.0	4.7	.4	.0	.0	.0	.0	.0	.0	30.0	7.0
SSW	1.6	3.2	2.8	2.9	.5	.0	.0	.0	.0	.0	.0	11.1	8.4
SW	1.4	1.5	.5	.1	.2	.0	.0	.0	.0	.0	.0	3.7	5.6
WSW	.7	.3	.0	.1	.0	.0	.0	.0	.0	.0	.0	1.0	4.0
W	.3	.1	.0	.1	.0	.0	.0	.0	.0	.0	.0	.5	4.6
WNW	.6	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.7	3.0
NW	.6	.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.2	3.5
NNW	.5	2.0	.5	.2	.0	.0	.0	.0	.0	.0	.0	3.1	5.4
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CLW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	14.4	.0
ALL	20.1	32.5	21.7	10.2	1.0	.0	.0	.0	.0	.0	.0	100.0	5.4

TOTAL NO. OF OBS : 1055

NOTES :  
 # = PERCENT < .05

# 1 - SURFACE WINDS

043319 : ATSUGI, JAPAN  
 PERIOD OF RECORD : 1951-1987  
 CLASS : ALL WEATHER  
 CONDITION : NONE SPECIFIED

LAT. : 35 27N LONG. : 139 27E ELEV. : 214 FT  
 MONTH : JUL  
 HOUR : ALL

## PERCENTAGE FREQUENCY OF WIND DIRECTION VS SPEED (FROM HOURLY OBSERVATIONS)

16 PT. DIR.	1	2	3	4	5	6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	>=56	TOTAL %	MEAN WIND SPEED
N	3.3	5.1	3.3	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	12.7	5.7
NNE	1.8	3.3	1.8	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.3	5.5
NE	1.3	2.0	0.8	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.3	5.3
ENE	0.8	1.1	0.6	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.7	5.5
E	1.1	1.2	0.8	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.2	5.2
ESE	0.6	0.8	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.9	5.0
SE	0.8	0.8	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	4.5
SSE	1.0	2.0	1.7	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.3	6.5
S	3.3	5.8	9.8	6.2	0.8	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	26.0	8.3
SSW	1.3	2.3	3.9	3.5	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	11.8	9.3
SW	0.8	0.7	0.7	0.4	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.8	7.0
WSW	0.3	0.3	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	5.1
W	0.5	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	3.3
WNW	0.5	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	3.1
NW	0.7	0.5	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	3.7
NNW	1.0	1.6	0.8	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.7	5.4
VAR	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CLM	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	13.2	0.0
ALL	18.8	27.7	25.4	13.0	1.8	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0	6.0

TOTAL NO. OF OBS : 8179

NOTES :  
 \* = PERCENT < .05

## 2 - CEILING VS VISIBILITY

043319 : ATSUGI, JAPAN  
 PERIOD OF RECORD : 1951-1987  
 CLASS : ALL WEATHER  
 CONDITION : NONE SPECIFIED

LAT. : 35 27N LONG. : 139 27E ELEV. : 214 FT  
 MONTH : JUL  
 HOUR : 0000 LST

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

## VISIBILITY (STATUTE MILES)

CEILING	>=10	>=6	>=5	>=4	>=3	>=2	1/2	>=1	1/2	>=1	1/4	>=1	>=3/4	>=5/8	>=1/2	>=5/16	>=1/4	>=0
UNLIMIT	16.3	22.7	25.2	28.0	31.7	33.0	34.7	35.0	35.4	35.7	35.9	35.9	35.9	35.9	35.9	35.9	36.0	36.0
>=20000	16.4	23.4	25.9	28.7	32.4	33.8	35.6	35.9	36.3	36.6	36.7	36.7	36.7	36.7	36.7	36.7	36.9	36.9
>=18000	16.6	23.6	26.1	28.9	32.6	33.9	35.7	36.0	36.4	36.7	36.9	36.9	36.9	36.9	36.9	36.9	37.0	37.0
>=16000	16.7	23.9	26.4	29.2	32.9	34.2	36.1	36.4	36.9	37.2	37.5	37.5	37.5	37.5	37.5	37.5	37.5	37.5
>=14000	17.5	24.7	27.3	30.1	33.8	35.3	37.2	37.5	37.9	38.2	38.4	38.4	38.4	38.4	38.4	38.5	38.5	38.5
>=12000	18.5	26.7	29.3	32.3	36.3	37.8	39.7	40.3	40.7	41.2	41.3	41.3	41.3	41.3	41.3	41.5	41.5	41.5
>=10000	19.3	28.9	31.9	35.0	39.6	41.0	43.1	43.7	44.3	44.9	45.0	45.0	45.0	45.0	45.0	45.2	45.2	45.2
>=9000	19.4	29.0	32.3	35.4	40.0	41.5	43.6	44.1	44.7	45.3	45.6	45.6	45.6	45.6	45.6	45.8	45.8	45.8
>=8000	20.9	31.4	35.0	38.2	43.0	44.6	46.7	47.3	47.9	48.4	48.7	48.7	48.7	48.7	48.9	49.0	49.0	49.0
>=7000	21.2	32.0	35.7	39.1	43.9	45.5	47.6	48.1	48.9	49.5	49.8	49.8	49.8	49.8	49.9	50.1	50.1	50.1
>=6000	21.5	32.7	36.6	40.3	45.0	46.7	48.9	49.5	50.2	51.0	51.3	51.3	51.3	51.3	51.4	51.6	51.6	51.6
>=5000	22.2	34.8	39.0	42.8	47.7	49.5	51.9	52.4	53.2	53.9	54.2	54.2	54.2	54.2	54.5	54.7	54.7	54.7
>=4500	22.7	36.0	40.1	44.0	49.2	51.1	53.6	54.2	55.0	55.7	56.1	56.1	56.1	56.1	56.4	56.6	56.6	56.6
>=4000	23.4	37.6	42.2	46.1	51.4	53.3	56.0	56.7	57.5	58.2	58.7	58.7	58.7	58.7	59.0	59.1	59.1	59.1
>=3500	24.0	38.8	43.7	47.9	53.3	55.4	58.2	59.1	59.9	60.6	61.0	61.0	61.0	61.0	61.3	61.5	61.5	61.5
>=3000	24.7	41.3	46.4	50.7	56.3	58.4	61.2	62.1	62.8	63.6	64.0	64.0	64.0	64.0	64.3	64.4	64.4	64.4
>=2500	25.6	43.9	48.9	53.5	59.7	61.9	64.9	65.9	66.7	67.4	67.9	67.9	67.9	67.9	68.1	68.3	68.3	68.3
>=2000	26.4	45.6	50.7	55.7	62.1	64.6	67.7	68.9	69.6	70.5	71.1	71.1	71.1	71.1	71.4	71.6	71.6	71.6
>=1800	26.5	46.4	51.4	56.6	63.4	65.9	69.3	70.8	71.6	72.4	73.0	73.0	73.0	73.0	73.3	73.5	73.5	73.5
>=1500	27.0	47.7	53.0	58.4	66.4	69.0	72.9	74.8	75.6	76.7	77.3	77.3	77.3	77.3	77.6	77.8	77.8	77.8
>=1200	27.1	48.7	54.7	60.0	68.4	71.3	75.4	77.5	78.2	79.9	80.4	80.4	80.4	80.4	80.7	80.9	80.9	80.9
>=1000	27.1	49.0	55.4	60.9	69.5	72.7	77.0	79.3	80.0	81.8	82.5	82.5	82.5	82.5	82.8	83.0	83.0	83.0
>=900	27.3	49.3	55.9	61.3	70.2	73.8	78.1	80.4	81.2	83.0	83.7	83.7	83.7	83.7	84.0	84.1	84.1	84.1
>=800	27.4	49.9	56.7	62.5	71.6	75.6	80.3	83.0	83.7	85.5	86.2	86.2	86.2	86.2	86.5	86.7	86.7	86.7
>=700	27.4	49.9	56.7	62.5	71.9	76.0	80.9	83.9	84.6	86.4	87.1	87.1	87.1	87.1	87.4	87.6	87.6	87.6
>=600	27.6	50.5	57.5	63.3	73.2	77.8	83.6	87.0	87.7	89.6	90.5	90.5	90.5	90.5	90.8	91.0	91.0	91.0
>=500	27.6	51.0	57.9	63.9	74.7	79.7	85.9	89.3	90.1	92.0	93.0	93.0	93.0	93.0	93.3	93.6	93.6	93.6
>=400	27.6	51.1	58.1	64.0	75.1	80.4	87.0	90.8	91.6	93.9	95.1	95.1	95.1	95.1	95.6	96.0	96.0	96.0
>=300	27.7	51.3	58.2	64.1	75.3	80.7	87.3	91.3	92.0	94.7	96.1	96.1	96.1	96.1	96.6	97.0	97.0	97.0
>=200	27.7	51.3	58.2	64.1	75.3	80.7	87.3	91.6	92.3	95.1	97.0	97.0	97.0	97.0	97.6	97.9	98.2	98.4
>=100	27.7	51.3	58.2	64.1	75.3	80.7	87.3	91.6	92.3	95.1	97.3	97.3	97.3	97.3	98.2	98.5	99.4	99.6
>=0	27.7	51.3	58.2	64.1	75.3	80.7	87.3	91.6	92.3	95.1	97.3	97.3	97.3	97.3	98.2	98.5	99.4	100.0

TOTAL NO. OF OBS : 675

## 2 - CEILING VS VISIBILITY

043319 : AITSUGI, JAPAN  
PERIOD OF RECORD : 1951-1987  
CLASS : ALL WEATHER  
CONDITION : NONE SPECIFIED

LAT. : 35 27N LONG. : 139 27E ELEV. : 214 FT  
MONTH : JUL  
HOUR : 0300 LST

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

CEILING	VISIBILITY (STATUTE MILES)									
	>=10	>=6	>=5	>=4	>=3	>=2	1/2	>=1	1/4	>=0
UNLIMIT	12.7	18.2	20.3	22.8	25.8	27.5	30.6	31.5	31.6	32.7
>=20000	12.8	19.0	21.0	23.6	26.6	28.2	31.3	32.2	32.4	33.4
>=18000	13.0	19.1	21.2	23.7	26.7	28.4	31.5	32.4	32.5	33.6
>=16000	13.0	19.1	21.2	23.7	26.7	28.4	31.5	32.5	32.7	33.7
>=14000	13.4	19.6	21.6	24.2	27.2	28.8	31.9	33.0	33.1	34.2
>=12000	14.0	21.0	23.3	26.0	29.1	30.7	34.2	35.2	35.4	36.6
>=10000	15.5	23.4	25.7	28.8	32.1	33.7	37.6	38.7	38.8	40.0
>= 9000	15.5	24.0	26.3	29.6	33.1	34.8	38.8	39.9	40.0	41.2
>= 8000	17.2	26.0	28.2	31.8	35.5	37.3	41.3	42.8	43.0	44.3
>= 7000	17.6	26.9	29.6	33.1	36.9	38.7	42.8	44.5	44.6	46.0
>= 6000	17.6	27.2	29.9	33.6	37.3	39.1	43.3	45.1	45.2	46.6
>= 5000	18.5	28.8	31.6	35.4	39.4	41.3	45.7	47.6	47.8	49.1
>= 4500	19.1	30.0	32.8	36.7	41.0	43.1	47.8	49.7	49.9	51.2
>= 4000	20.3	31.9	35.1	39.1	43.7	45.8	50.9	52.8	53.0	54.3
>= 3500	20.7	33.3	36.4	40.6	45.4	47.5	52.7	54.6	54.8	56.1
>= 3000	21.3	34.5	37.8	42.2	47.6	49.9	55.5	57.5	57.6	59.0
>= 2500	21.9	36.0	39.4	44.0	50.1	52.5	58.8	60.7	60.9	62.4
>= 2000	22.7	38.1	41.8	46.6	53.1	55.8	62.4	65.1	65.2	66.7
>= 1800	22.8	38.4	42.2	47.0	53.7	56.4	63.1	65.8	66.1	67.6
>= 1500	23.3	39.4	43.6	48.5	56.1	59.1	66.3	69.0	69.4	71.0
>= 1200	23.4	40.1	45.1	50.0	57.8	61.2	68.7	71.5	71.9	73.6
>= 1000	23.6	40.3	45.4	50.4	59.0	62.7	71.0	74.0	74.5	76.1
>= 900	23.9	40.6	46.0	51.5	60.1	63.9	72.5	75.5	76.0	77.9
>= 800	24.0	41.0	46.6	52.2	61.0	65.4	74.0	77.3	77.8	79.7
>= 700	24.0	41.0	46.7	52.4	61.9	66.7	75.5	79.1	79.6	81.8
>= 600	24.3	41.3	47.0	53.0	63.0	67.8	76.9	80.7	81.2	83.4
>= 500	24.3	41.9	47.6	53.6	64.5	69.4	79.0	83.3	83.7	86.0
>= 400	24.3	42.1	47.8	53.7	65.1	70.1	79.7	84.5	84.9	87.8
>= 300	24.3	42.1	47.8	53.7	65.4	70.6	80.3	85.5	86.0	89.7
>= 200	24.3	42.1	47.8	53.7	65.4	70.6	80.4	86.1	86.6	90.6
>= 100	24.3	42.1	47.8	53.7	65.4	70.6	80.4	86.1	86.6	90.9
>= 0	24.3	42.1	47.8	53.7	65.4	70.6	80.4	86.1	86.6	90.9

TOTAL NO. OF OBS : 670

## 2 - CEILING VS VISIBILITY

043319 : ATSUGI, JAPAN  
 PERIOD OF RECORD : 1951-1987  
 CLASS : ALL WEATHER  
 CONDITION : NONE SPECIFIED

LAT. : 35 27N LONG. : 139 27E ELEV. : 214 FT  
 MONTH : JUL  
 HOUR : 0600 LST

PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)

CEILING	VISIBILITY (STATUTE MILES)															
	>=10	>=6	>=5	>=4	>=3	>=2	1/2	>=1	1/2	>=1	1/4	>=1	1/2	>=1/2	>=5/16	>=1/4
UNLIMIT	7.3	10.5	12.0	14.3	19.0	20.7	22.2	23.6	24.3	26.8	28.4	28.6	28.7	28.7	28.7	29.6
>=20000	8.2	12.0	13.4	15.7	20.4	22.2	23.6	25.2	25.9	28.6	30.2	30.3	30.6	30.6	30.6	31.5
>=18000	8.2	12.0	13.4	15.7	20.4	22.2	23.6	25.2	25.9	28.7	30.5	30.5	30.9	30.9	30.9	31.6
>=16000	8.3	12.5	14.4	16.8	21.4	23.5	24.9	26.5	27.3	30.0	31.8	31.8	32.2	32.4	32.4	33.2
>=14000	8.9	13.7	15.9	18.2	23.3	25.5	27.0	28.9	29.6	32.5	34.4	34.4	34.8	35.0	35.6	35.9
>=12000	9.2	14.9	17.3	19.7	25.2	27.6	29.3	31.5	32.4	35.6	37.8	37.9	38.3	38.6	39.2	39.7
>=10000	9.3	15.5	17.9	20.3	25.9	28.4	30.2	32.8	33.7	37.0	39.2	39.4	39.8	40.1	40.7	41.1
>= 9000	10.1	17.8	20.4	22.9	28.9	31.3	33.8	36.6	37.6	41.3	43.9	44.2	44.6	44.9	45.5	45.9
>= 8000	10.5	18.7	21.4	24.1	30.0	32.5	35.1	37.9	38.9	42.6	45.5	45.9	46.4	46.6	47.2	47.7
>= 7000	10.8	19.1	21.9	24.6	30.9	33.5	36.3	39.1	40.1	43.7	46.6	47.1	47.5	47.8	48.4	49.0
>= 6000	10.8	20.0	22.7	25.7	31.9	34.7	37.6	40.4	41.5	45.6	48.8	49.3	49.7	50.0	50.6	51.2
>= 5000	11.2	20.8	23.8	27.0	33.4	36.3	39.2	42.0	43.1	47.5	50.7	51.2	51.6	51.9	52.5	53.1
>= 4500	12.1	22.4	25.4	29.0	35.4	38.3	41.3	44.0	45.2	49.6	53.1	53.5	53.9	54.2	54.8	55.4
>= 4000	12.8	23.3	26.2	30.0	36.6	39.5	42.4	45.2	46.4	50.7	54.2	54.7	55.1	55.4	56.0	56.6
>= 3500	13.1	24.3	27.4	31.6	39.1	42.4	45.5	48.3	49.4	53.8	57.4	57.9	58.3	58.6	59.2	59.8
>= 3000	13.4	25.4	28.7	33.2	41.1	44.5	48.1	51.0	52.3	56.7	60.5	60.9	61.5	61.8	62.4	63.0
>= 2500	13.6	26.1	29.6	34.7	43.0	47.5	51.7	54.8	56.6	61.1	65.0	65.5	66.2	66.5	67.2	67.8
>= 2000	13.6	26.2	29.9	35.0	43.4	48.0	52.2	55.2	57.0	61.5	65.5	65.9	66.6	66.9	67.6	68.2
>= 1800	13.6	26.7	30.5	36.2	45.0	50.1	54.7	58.0	59.9	64.6	68.7	69.1	70.0	70.4	71.1	71.7
>= 1600	13.7	27.1	31.0	37.0	46.5	51.7	56.7	60.3	62.7	67.3	71.9	72.3	73.3	73.9	74.6	75.2
>= 1400	13.7	27.6	31.8	37.9	47.8	53.4	58.7	62.8	65.3	70.3	75.1	75.5	76.5	77.1	77.8	78.4
>= 1200	13.7	27.6	31.8	38.0	48.5	54.5	59.3	64.1	66.8	72.0	76.8	77.3	78.3	78.9	79.6	80.2
>= 900	13.7	27.6	31.9	38.2	49.4	55.7	60.2	65.6	68.5	74.1	79.4	79.9	80.9	81.5	82.2	82.8
>= 800	13.7	27.7	32.1	38.5	50.3	56.7	62.1	67.9	70.8	77.0	82.7	83.1	84.1	84.7	85.4	86.0
>= 700	13.7	27.8	32.2	38.5	50.3	56.7	63.7	70.3	73.5	79.7	86.2	86.6	87.9	88.5	89.2	89.8
>= 600	13.7	27.8	32.4	38.6	50.4	56.9	63.8	70.7	73.9	80.8	87.8	88.2	89.5	90.2	91.0	91.7
>= 500	13.7	27.8	32.4	38.6	50.4	57.3	64.3	71.3	74.5	81.5	88.9	89.5	91.1	91.8	92.7	93.7
>= 400	13.7	28.0	32.5	38.8	50.6	57.3	64.6	72.0	75.4	82.4	90.1	90.7	93.3	94.3	95.2	96.5
>= 300	13.7	28.0	32.5	38.8	50.6	57.3	64.6	72.0	75.4	82.7	90.5	91.3	94.2	95.5	96.8	98.1
>= 200	13.7	28.0	32.5	38.8	50.6	57.3	64.6	72.0	75.4	82.7	90.5	91.3	94.3	95.6	97.1	99.1
>= 100	13.7	28.0	32.5	38.8	50.6	57.3	64.6	72.0	75.4	82.7	90.5	91.3	94.3	95.6	97.1	99.1
>= 0	13.7	28.0	32.5	38.8	50.6	57.3	64.6	72.0	75.4	82.7	90.5	91.3	94.3	95.6	97.1	100.0

TOTAL NO. OF OBS : 686

## 2 - CEILING VS VISIBILITY

043319 : ATSUGI, JAPAN  
 PERIOD OF RECORD : 1951-1987  
 CLASS : ALL WEATHER  
 CONDITION : NONE SPECIFIED

LAT. : 35 27N LONG. : 139 27E ELEV. : 214 FT  
 MONTH : JUL  
 HOUR : 0900 LST

PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)

CEILING	VISIBILITY (STATUTE MILES)															
	>=10	>=6	>=5	>=4	>=3	>=2	1/2	>=2	>=1	1/2	>=1	1/4	>=1	>=3/4	>=5/8	>=1/2
UNLIMIT	9.7	14.7	17.3	19.5	25.1	27.5	29.1	29.4	29.4	29.4	29.8	30.0	30.0	30.0	30.0	30.0
>=20000	10.7	16.0	18.8	21.1	26.7	29.1	30.7	31.1	31.1	31.1	31.7	31.9	31.9	31.9	32.0	32.0
>=18000	10.7	16.2	18.9	21.3	26.9	29.2	31.0	31.4	31.4	31.4	32.0	32.2	32.2	32.2	32.3	32.3
>=16000	10.7	16.3	19.2	21.6	27.2	29.5	31.3	31.7	31.7	31.7	32.3	32.5	32.5	32.5	32.6	32.6
>=14000	11.3	17.9	21.1	23.5	29.1	31.4	33.5	33.9	33.9	33.9	34.5	34.7	34.7	34.7	34.8	34.8
>=12000	11.7	19.2	22.8	25.4	31.3	34.1	36.1	36.7	36.7	36.7	37.3	37.4	37.4	37.4	37.6	37.6
>=10000	12.3	20.3	24.4	27.9	34.4	37.4	39.5	40.2	40.2	40.2	40.8	41.0	41.0	41.0	41.1	41.1
>= 9000	12.8	21.0	25.1	28.8	35.2	38.3	40.4	41.1	41.1	41.1	41.7	41.9	41.9	41.9	42.0	42.0
>= 8000	13.2	22.0	26.1	30.1	37.0	40.1	42.1	43.0	43.0	43.0	43.6	43.8	43.8	43.8	43.9	43.9
>= 7000	13.5	22.8	26.9	30.8	38.0	41.1	43.3	44.2	44.2	44.2	44.8	44.9	44.9	44.9	45.1	45.1
>= 6000	13.8	23.6	27.8	31.7	39.1	42.1	44.5	45.5	45.5	45.5	46.3	46.4	46.4	46.4	46.5	46.5
>= 5000	14.4	24.4	28.6	33.3	41.3	44.6	47.1	48.3	48.3	48.3	49.2	49.5	49.5	49.5	49.6	49.6
>= 4500	14.4	25.3	30.0	34.7	42.9	46.4	48.9	50.1	50.1	50.1	51.0	51.2	51.2	51.2	51.4	51.4
>= 4000	14.8	26.6	31.3	36.4	44.8	48.5	51.1	52.4	52.4	52.4	53.6	53.9	53.9	53.9	54.0	54.0
>= 3500	15.1	28.0	32.9	38.0	46.4	50.4	53.0	54.5	54.5	54.5	55.7	55.9	55.9	55.9	56.1	56.1
>= 3000	15.3	29.4	34.5	39.6	48.5	53.2	55.9	57.6	57.6	57.6	59.0	59.3	59.3	59.3	59.5	59.5
>= 2500	15.7	30.7	36.6	42.0	51.4	56.1	59.0	60.6	60.6	60.6	62.3	62.7	62.7	62.7	62.8	62.8
>= 2000	15.7	31.6	38.8	44.8	55.5	60.8	64.3	66.4	66.4	66.4	68.1	68.6	68.6	68.6	68.7	68.7
>= 1800	15.9	32.3	39.8	45.8	56.8	62.3	65.8	68.1	68.1	68.1	69.9	70.3	70.3	70.3	70.5	70.5
>= 1500	16.2	34.2	42.3	48.6	60.8	67.0	71.1	73.7	73.7	73.7	75.5	75.9	75.9	75.9	76.1	76.1
>= 1200	16.2	34.8	43.3	50.2	63.6	70.0	74.7	77.8	78.0	78.0	80.0	80.6	80.6	80.6	80.8	80.8
>= 1000	16.3	35.7	44.5	51.8	65.9	73.0	78.7	82.1	82.4	82.4	84.7	85.3	85.3	85.3	85.5	85.5
>= 900	16.3	35.8	44.9	52.6	66.7	74.0	79.9	83.7	84.1	84.1	86.5	87.1	87.1	87.1	87.2	87.2
>= 800	16.3	36.1	45.2	53.0	67.3	75.0	81.4	85.5	85.9	85.9	88.5	89.4	89.4	89.4	89.6	89.6
>= 700	16.3	36.6	45.8	53.7	68.6	76.8	83.4	88.5	89.0	89.0	91.8	92.8	92.8	92.8	93.0	93.0
>= 600	16.3	36.6	46.0	53.9	69.0	77.4	84.7	90.7	91.2	91.2	94.4	95.7	95.7	95.7	95.9	95.9
>= 500	16.3	36.6	46.0	53.9	69.0	77.4	84.9	91.5	92.4	92.4	95.6	97.1	97.1	97.1	97.5	97.5
>= 400	16.3	36.6	46.0	53.9	69.2	77.7	85.3	92.1	93.0	93.0	96.2	98.1	98.1	98.1	98.8	98.8
>= 300	16.3	36.6	46.0	53.9	69.2	77.7	85.3	92.1	93.1	93.1	96.5	98.7	98.7	98.7	99.7	99.7
>= 200	16.3	36.6	46.0	53.9	69.2	77.7	85.3	92.1	93.1	93.1	96.6	98.8	98.8	98.8	99.9	99.9
>= 100	16.3	36.6	46.0	53.9	69.2	77.7	85.3	92.1	93.1	93.1	96.6	98.8	98.8	98.8	99.9	99.9
>= 0	16.3	36.6	46.0	53.9	69.2	77.7	85.3	92.1	93.1	93.1	96.6	98.8	98.8	98.8	99.9	99.9

TOTAL NO. OF OBS : 681

## 2 - CEILING VS VISIBILITY

043319 : ATSUGI, JAPAN  
PERIOD OF RECORD : 1951-1987  
CLASS : ALL WEATHER  
CONDITION : NONE SPECIFIED

LAT. : 35 27N LONG. : 139 27E ELEV. : 214 FT  
MONTH : JUL  
HOUR : 1200 LST

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

CEILING	VISIBILITY (STATUTE MILES)															
	>=10	>=6	>=5	>=4	>=3	>=2	1/2	>=2	>=1	1/2	>=1	>=1	>=3/4	>=5/8	>=1/2	>=5/16
UNLIMIT	15.5	21.4	24.4	27.3	30.7	31.3	31.6	32.1	32.1	32.1	32.1	32.1	32.1	32.1	32.1	32.1
>=20000	16.7	23.6	26.6	29.5	33.1	33.8	34.1	34.6	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7
>=18000	16.8	24.4	27.5	30.4	34.0	34.7	35.0	35.5	35.6	35.6	35.6	35.6	35.6	35.6	35.6	35.6
>=16000	16.8	24.5	27.6	30.6	34.3	35.0	35.3	35.7	35.9	35.9	35.9	35.9	35.9	35.9	35.9	35.9
>=14000	17.7	26.3	29.4	32.3	36.2	37.1	37.4	37.8	38.0	38.0	38.0	38.0	38.0	38.0	38.0	38.0
>=12000	18.3	27.3	31.0	34.0	38.0	39.1	39.7	40.2	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3
>=10000	19.1	29.2	33.8	37.5	41.9	43.4	44.0	44.8	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9
>= 9000	19.2	29.5	34.1	38.0	42.4	43.9	44.5	45.2	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3
>= 8000	19.9	31.5	36.6	40.6	45.3	46.8	47.4	48.3	48.4	48.7	48.9	48.9	48.9	48.9	48.9	48.9
>= 7000	20.4	32.3	37.8	41.8	46.7	48.2	48.9	49.8	49.9	50.5	50.7	50.7	50.7	50.7	50.7	50.7
>= 6000	20.8	32.9	38.4	42.4	47.3	48.7	49.6	50.5	50.7	51.4	51.6	51.6	51.6	51.6	51.6	51.6
>= 5000	21.0	33.7	39.1	43.4	48.6	50.1	51.1	52.0	52.1	52.9	53.0	53.0	53.0	53.0	53.0	53.0
>= 4500	21.4	34.9	40.6	45.1	50.5	52.0	53.0	53.9	54.1	54.8	54.9	54.9	54.9	54.9	54.9	54.9
>= 4000	21.7	35.9	41.9	47.0	52.9	54.7	55.7	56.9	57.0	57.8	57.9	57.9	57.9	57.9	57.9	57.9
>= 3500	22.2	37.1	43.4	48.9	55.1	57.2	58.5	59.7	60.0	60.7	60.9	60.9	60.9	60.9	60.9	60.9
>= 3000	22.5	39.1	46.5	53.0	60.4	63.5	65.4	66.6	67.2	67.9	68.1	68.1	68.1	68.1	68.1	68.1
>= 2500	23.2	41.2	49.9	57.5	65.4	69.4	71.6	73.0	73.6	74.3	74.4	74.4	74.4	74.4	74.4	74.4
>= 2000	23.2	43.1	52.4	60.7	69.9	74.4	77.4	79.3	80.1	80.9	81.2	81.2	81.2	81.2	81.2	81.2
>= 1800	23.3	43.6	52.9	61.3	70.5	75.0	78.3	80.2	80.9	81.8	82.3	82.3	82.3	82.3	82.3	82.3
>= 1600	23.3	44.8	54.7	63.2	73.3	78.6	82.3	84.6	85.4	86.3	86.9	86.9	86.9	86.9	86.9	86.9
>= 1500	23.5	45.3	55.5	64.4	75.0	80.6	85.2	87.9	88.6	89.7	90.3	90.3	90.3	90.3	90.3	90.3
>= 1000	23.5	45.6	56.3	65.3	76.4	82.6	87.4	90.5	91.3	92.8	93.5	93.5	93.5	93.5	93.5	93.5
>= 900	23.5	45.6	56.3	65.6	77.0	83.5	88.3	91.6	92.3	93.8	94.5	94.5	94.5	94.5	94.5	94.5
>= 800	23.5	45.8	56.6	66.2	77.7	84.6	89.5	93.5	94.2	95.7	96.8	96.8	96.8	96.8	96.8	96.8
>= 700	23.6	45.9	56.7	66.5	78.0	85.4	90.3	94.4	95.1	96.6	97.8	97.8	97.8	97.8	97.8	97.8
>= 600	23.6	45.9	56.7	66.8	78.3	85.7	90.5	94.8	95.6	97.0	98.4	98.4	98.4	98.4	98.4	98.4
>= 500	23.6	45.9	56.7	66.8	78.3	85.7	90.7	95.1	96.0	97.9	99.4	99.4	99.4	99.4	99.4	99.4
>= 400	23.6	45.9	56.7	66.8	78.3	85.7	90.8	95.3	96.3	98.2	99.7	99.7	99.7	99.7	99.7	99.7
>= 300	23.6	45.9	56.7	66.8	78.3	85.7	91.0	95.4	96.5	98.4	99.9	99.9	99.9	99.9	99.9	99.9
>= 200	23.6	45.9	56.7	66.8	78.3	85.7	91.0	95.4	96.5	98.4	99.9	99.9	99.9	99.9	99.9	99.9
>= 100	23.6	45.9	56.7	66.8	78.3	85.7	91.0	95.4	96.5	98.4	99.9	99.9	99.9	99.9	99.9	99.9
>= 0	23.6	45.9	56.7	66.8	78.3	85.7	91.0	95.4	96.5	98.4	99.9	99.9	99.9	99.9	99.9	99.9

TOTAL NO. OF OBS : 677



043319 : ATSUGI, JAPAN  
 PERIOD OF RECORD : 1951-1987  
 CLASS : ALL WEATHER  
 CONDITION : NONE SPECIFIED

LAT. : 35 27N LONG. : 139 27E ELEV. : 214 FT  
 MONTH : JUL  
 HOUR : 1500 LST

PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)

CEILING	VISIBILITY (STATUTE MILES)																	
	>=10	>=6	>=5	>=4	>=3	>=2	1/2	>=1	1/2	>=1	1/4	>=1	>=3/4	>=5/8	>=1/2	>=5/16	>=1/4	>=0
UNLIMIT	21.9	30.2	33.4	37.1	40.0	40.3	40.6	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0
>=20000	23.1	32.1	35.5	39.2	42.4	42.7	43.0	43.8	43.8	43.8	43.8	43.8	43.8	43.8	43.8	43.8	43.8	43.8
>=18000	23.3	32.4	35.8	39.5	42.7	43.0	43.3	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0
>=16000	23.4	32.7	36.2	40.0	43.2	43.5	43.8	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5
>=14000	23.7	33.7	37.4	41.1	44.3	44.8	45.1	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8
>=12000	24.3	36.2	40.3	44.5	47.8	48.4	48.7	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6
>=10000	25.3	38.8	43.6	48.4	52.3	52.9	53.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2
>=9000	25.7	39.5	44.3	49.4	53.5	54.1	54.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4
>=8000	26.2	41.0	46.2	51.6	56.1	56.8	57.1	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3
>=7000	26.7	42.4	48.1	53.5	58.3	59.0	59.3	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5
>=6000	27.2	43.5	49.1	54.5	59.4	60.3	60.6	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8
>=5000	27.3	44.3	50.3	55.7	60.8	61.6	62.1	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4
>=4500	27.6	45.3	51.7	57.4	62.6	63.7	64.1	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4
>=4000	27.6	46.1	52.8	58.9	64.1	65.4	66.0	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3
>=3500	28.2	47.7	54.8	61.0	66.3	67.6	68.5	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9
>=3000	28.6	49.7	57.4	64.1	70.5	72.7	73.7	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3
>=2500	28.9	51.5	59.7	67.2	74.3	76.9	78.5	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1
>=2000	29.2	53.2	61.8	69.6	77.5	80.2	82.1	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0
>=1800	29.2	53.3	61.9	69.9	77.8	80.7	82.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6
>=1500	29.7	54.4	63.5	71.7	79.8	82.8	84.7	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4
>=1200	29.7	55.4	65.0	73.8	82.4	85.9	88.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1
>=1000	29.8	56.0	65.6	74.4	83.1	86.8	89.2	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4
>=900	29.8	56.3	65.8	75.0	83.7	87.5	90.0	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3
>=800	29.8	56.5	66.1	75.7	84.6	88.8	91.4	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2
>=700	29.8	56.5	66.3	75.9	84.9	89.1	91.9	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8
>=600	29.8	56.5	66.3	75.9	84.9	89.1	91.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9
>=500	29.8	56.5	66.3	75.9	85.0	89.2	92.0	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
>=400	29.8	56.5	66.3	75.9	85.2	89.4	92.4	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5
>=300	29.8	56.5	66.3	75.9	85.2	89.5	92.6	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
>=200	29.8	56.5	66.3	75.9	85.2	89.5	92.6	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
>=100	29.8	56.5	66.3	75.9	85.2	89.5	92.6	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
>=0	29.8	56.5	66.3	75.9	85.2	89.5	92.6	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8

TOTAL NO. OF OBS : 688

## 2 - CEILING VS VISIBILITY

043319 : AISUGI, JAPAN  
 PERIOD OF RECORD : 1951-1987  
 CLASS : ALL WEATHER  
 CONDITION : NONE SPECIFIED

LAT. : 35 27N LONG. : 139 27E ELEV. : 214 FT  
 MONTH : JUL  
 HOUR : 1800 LST

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

CEILING	VISIBILITY (STATUTE MILES)															
	>=10	>=6	>=5	>=4	>=3	>=2 1/2	>=2	>=1 1/2	>=1 1/4	>=1	>=3/4	>=5/8	>=1/2	>=5/16	>=1/4	>=0
UNLIMIT	18.4	26.6	29.2	31.9	34.9	35.9	36.5	36.7	36.8	36.8	36.8	36.8	36.8	36.8	36.8	36.8
>=20000	19.9	29.3	32.2	35.0	38.0	39.1	39.7	39.8	40.0	40.0	40.1	40.1	40.1	40.1	40.1	40.1
>=18000	20.2	29.9	32.8	35.6	38.6	39.7	40.3	40.4	40.6	40.6	40.7	40.7	40.7	40.7	40.7	40.7
>=16000	20.4	30.2	33.1	36.1	39.1	40.1	40.7	40.9	41.0	41.0	41.2	41.2	41.2	41.2	41.2	41.2
>=14000	20.8	31.0	34.0	37.0	40.3	41.3	41.9	42.1	42.2	42.2	42.4	42.4	42.4	42.4	42.4	42.4
>=12000	21.3	32.9	36.5	39.8	43.6	44.8	46.0	46.3	46.4	46.4	46.6	46.6	46.6	46.6	46.6	46.6
>=10000	21.9	34.7	38.9	42.5	47.6	49.0	50.1	50.9	51.0	51.0	51.3	51.3	51.3	51.3	51.3	51.3
>=9000	22.2	35.5	39.7	43.3	48.7	50.1	51.3	52.1	52.2	52.2	52.5	52.5	52.5	52.5	52.5	52.5
>=8000	23.4	38.9	44.3	48.7	54.6	56.1	57.6	58.5	58.7	58.8	59.1	59.1	59.1	59.1	59.1	59.1
>=7000	24.1	41.2	46.9	51.3	57.5	59.0	60.5	61.4	61.5	61.7	62.0	62.1	62.1	62.1	62.1	62.1
>=6000	24.7	42.2	47.9	52.5	59.1	60.8	62.3	63.2	63.3	63.5	63.9	64.1	64.1	64.1	64.1	64.1
>=5000	25.6	44.8	50.7	55.7	62.3	63.9	65.7	66.6	66.8	66.9	67.5	67.7	67.7	67.8	67.8	67.8
>=4500	25.6	45.5	52.4	57.5	64.4	66.2	68.0	68.9	69.0	69.2	69.8	69.9	69.9	70.1	70.1	70.1
>=4000	25.6	46.7	54.0	59.3	66.3	68.6	70.4	71.3	71.6	71.7	72.5	72.6	72.6	72.8	72.8	72.8
>=3500	25.6	47.5	54.9	60.5	67.8	70.1	71.9	73.1	73.4	73.5	74.3	74.4	74.6	74.7	74.7	74.7
>=3000	26.0	48.8	56.4	62.3	70.1	72.6	74.6	76.0	76.3	76.5	77.2	77.4	77.5	77.7	77.7	77.7
>=2500	26.2	49.3	57.5	63.6	71.9	74.6	76.5	78.1	78.4	78.6	79.3	79.5	79.6	79.8	79.8	79.8
>=2000	26.5	49.9	58.1	64.5	73.1	76.3	78.6	80.4	80.8	81.3	82.0	82.2	82.3	82.5	82.5	82.5
>=1800	26.5	49.9	58.1	64.7	73.4	76.5	79.0	80.8	81.3	81.7	82.5	82.6	82.8	82.9	82.9	82.9
>=1500	26.6	50.1	58.5	65.7	74.9	78.3	82.0	84.0	84.4	85.0	85.8	85.9	86.1	86.2	86.2	86.2
>=1200	26.8	50.4	59.3	66.5	76.2	79.8	84.0	86.1	86.7	87.3	88.2	88.3	88.5	88.6	88.6	88.6
>=1000	26.9	51.2	60.0	67.2	77.4	81.0	85.5	87.9	88.5	89.1	90.3	90.4	90.7	90.9	90.9	90.9
>=900	26.9	51.6	60.5	67.7	77.8	81.7	86.5	88.9	89.7	90.4	91.8	91.9	92.4	92.5	92.5	92.5
>=800	26.9	51.9	60.8	68.0	78.1	82.2	87.3	89.8	90.6	91.6	93.3	93.4	93.9	94.0	94.0	94.0
>=700	26.9	51.9	60.9	68.1	78.3	82.6	88.2	90.7	91.5	92.8	94.5	94.6	95.1	95.2	95.2	95.2
>=600	27.1	52.2	61.2	68.4	78.6	82.9	88.9	91.8	92.5	93.9	95.5	95.7	96.1	96.3	96.3	96.3
>=500	27.1	52.4	61.4	68.7	78.9	83.5	89.8	92.7	93.4	94.9	96.9	97.2	97.8	97.9	97.9	97.9
>=400	27.1	52.4	61.5	68.9	79.0	83.7	90.1	93.3	94.2	95.8	97.8	98.2	99.1	99.3	99.3	99.3
>=300	27.1	52.4	61.5	68.9	79.0	83.7	90.1	93.4	94.3	96.3	98.2	98.7	99.6	99.9	99.9	99.9
>=200	27.1	52.4	61.5	68.9	79.0	83.7	90.1	93.6	94.5	96.4	98.4	98.8	99.7	100.0	100.0	100.0
>=100	27.1	52.4	61.5	68.9	79.0	83.7	90.1	93.6	94.5	96.4	98.4	98.8	99.7	100.0	100.0	100.0
>=0	27.1	52.4	61.5	68.9	79.0	83.7	90.1	93.6	94.5	96.4	98.4	98.8	99.7	100.0	100.0	100.0

TOTAL NO. OF OBS : 668

## 2 - CEILING VS VISIBILITY

QW3319 : ATSUGI, JAPAN  
 PERIOD OF RECORD : 1951-1987  
 CLASS : ALL WEATHER  
 CONDITION : NONE SPECIFIED

LAT. : 35 27N LONG. : 139 27E ELEV. : 214 FT  
 MONTH : JUL  
 HOUR : 2100 LST

PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)

CEILING	VISIBILITY (STATUTE MILES)									
	>=10	>=6	>=5	>=4	>=3	>=2 1/2	>=2	>=1 1/2	>=1 1/4	>=1
UNLIMIT	18.8	28.1	29.3	32.5	36.8	38.1	39.1	40.1	40.2	40.6
>=20000	19.0	28.8	30.0	33.4	37.6	38.9	39.9	40.9	41.1	41.8
>=18000	19.0	28.8	30.0	33.4	37.8	39.1	40.1	41.1	41.2	41.9
>=16000	19.2	29.0	30.1	33.5	37.9	39.2	40.2	41.2	41.3	42.0
>=14000	19.6	30.1	31.3	34.7	39.2	40.5	41.6	42.6	42.8	43.5
>=12000	20.9	33.0	34.1	38.1	42.8	44.0	45.5	47.0	47.2	47.9
>=10000	22.4	36.2	38.4	42.3	47.6	49.1	50.6	52.1	52.3	53.0
>=9000	22.7	36.8	38.9	42.9	48.3	49.9	51.3	52.8	53.0	53.7
>=8000	23.7	39.9	42.3	46.4	51.8	53.8	55.5	57.1	57.2	58.0
>=7000	24.7	41.5	44.5	48.9	54.3	56.3	58.2	59.8	59.9	60.7
>=6000	24.7	41.8	44.9	49.3	54.7	56.7	58.9	60.7	60.9	61.8
>=5000	25.9	43.6	46.7	51.4	57.2	59.2	61.5	63.2	63.5	64.6
>=4500	26.1	44.5	47.9	52.6	58.5	60.5	62.8	64.5	64.8	65.9
>=4000	26.6	45.7	49.6	54.7	61.2	63.2	65.6	67.3	67.6	68.8
>=3500	27.3	46.9	50.7	56.0	62.6	64.8	67.3	69.0	69.3	70.5
>=3000	27.6	48.7	52.7	58.1	64.9	67.5	70.2	71.9	72.3	73.4
>=2500	27.8	51.0	55.7	61.5	68.8	71.3	74.1	76.0	76.4	77.6
>=2000	28.4	52.7	57.7	63.9	71.4	74.1	77.1	79.0	79.4	80.5
>=1800	28.4	53.3	58.2	64.6	72.2	74.9	78.0	79.8	80.3	81.4
>=1500	28.6	54.3	59.4	65.9	74.0	77.0	80.4	82.2	82.8	83.9
>=1200	28.7	54.5	60.1	66.6	75.3	78.6	82.2	84.5	85.1	86.4
>=1000	28.7	54.7	60.2	66.9	75.9	79.1	83.1	85.5	86.1	87.6
>=900	28.7	54.8	60.4	67.0	76.1	79.4	83.7	86.2	86.9	88.5
>=800	29.1	55.7	61.4	68.3	77.7	81.0	85.7	88.4	89.1	90.9
>=700	29.1	55.8	61.8	68.9	78.4	81.8	86.5	89.3	90.1	91.9
>=600	29.1	56.4	62.5	69.9	79.7	83.8	88.5	91.5	92.2	94.3
>=500	29.3	56.5	62.6	70.2	80.1	84.7	89.3	92.9	93.6	96.3
>=400	29.3	56.5	62.6	70.3	80.4	85.2	89.9	93.6	94.3	97.0
>=300	29.3	56.5	62.6	70.5	80.5	85.4	90.2	94.0	94.7	97.4
>=200	29.3	56.5	62.6	70.5	80.5	85.4	90.2	94.0	94.7	97.6
>=100	29.3	56.5	62.6	70.5	80.5	85.4	90.2	94.0	94.7	97.7
>=0	29.3	56.5	62.6	70.5	80.5	85.4	90.2	94.0	94.7	97.7

&gt;=0

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&gt;=4000

TOTAL NO. OF OBS : 704

## 2 - CEILING VS VISIBILITY

043319 : ATSUGI, JAPAN  
 PERIOD OF RECORD : 1951-1987  
 CLASS : ALL WEATHER  
 CONDITION : NONE SPECIFIED

LAT. : 35 27N LONG. : 139 27E ELEV. : 214 FT  
 MONTH : JUL  
 HOUR : ALL

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

CEILING	VISIBILITY (STATUTE MILES)															
	>=10	>=6	>=5	>=4	>=3	>=2 1/2	>=2	>=1 1/2	>=1	>=1 1/4	>=3/4	>=5/8	>=1/2	>=5/16	>=1/4	>=0
UNLIMIT	15.1	21.6	23.9	26.7	30.5	31.8	33.1	33.7	33.9	34.5	34.8	34.8	34.9	34.9	35.0	35.1
>=20000	15.9	23.1	25.4	28.3	32.2	33.5	34.8	35.5	35.7	36.3	36.7	36.7	36.8	36.8	36.9	37.0
>=18000	16.0	23.3	25.7	28.6	32.5	33.8	35.1	35.8	36.0	36.7	37.0	37.0	37.1	37.1	37.2	37.3
>=16000	16.1	23.5	25.9	28.8	32.7	34.0	35.3	36.0	36.2	36.9	37.3	37.3	37.4	37.4	37.5	37.6
>=14000	16.6	24.5	27.1	30.0	34.0	35.3	36.7	37.4	37.6	38.3	38.7	38.7	38.8	38.8	38.9	39.0
>=12000	17.3	26.3	29.2	32.3	36.5	38.1	39.6	40.5	40.7	41.5	41.9	41.9	42.0	42.0	42.1	42.2
>=10000	18.1	28.3	31.8	35.3	40.1	41.8	43.5	44.5	44.8	45.6	46.0	46.0	46.2	46.2	46.4	46.4
>= 9000	18.4	28.9	32.4	36.0	40.9	42.7	44.3	45.5	45.7	46.6	47.0	47.0	47.1	47.2	47.3	47.4
>= 8000	19.3	31.1	34.9	38.8	44.1	45.9	47.7	49.0	49.3	50.3	50.8	50.8	50.9	51.0	51.2	51.3
>= 7000	19.9	32.2	36.4	40.4	45.7	47.6	49.5	50.8	51.1	52.1	52.7	52.7	52.9	52.9	53.1	53.2
>= 6000	20.2	32.9	37.1	41.1	46.6	48.5	50.6	51.9	52.2	53.3	53.9	54.0	54.2	54.2	54.3	54.4
>= 5000	20.7	34.3	38.6	42.9	48.7	50.7	52.9	54.3	54.6	55.8	56.5	56.5	56.7	56.8	56.9	57.0
>= 4500	21.0	35.3	39.9	44.4	50.3	52.4	54.7	56.1	56.4	57.7	58.4	58.5	58.6	58.7	58.8	58.9
>= 4000	21.5	36.6	41.5	46.3	52.5	54.7	57.1	58.6	59.0	60.2	61.0	61.1	61.2	61.3	61.4	61.6
>= 3500	22.0	37.8	42.9	47.9	54.2	56.6	59.1	60.7	61.0	62.3	63.1	63.1	63.3	63.4	63.5	63.6
>= 3000	22.4	39.5	44.9	50.2	57.2	60.0	62.8	64.4	64.8	66.2	66.9	67.0	67.2	67.3	67.4	67.5
>= 2500	22.9	41.1	47.1	52.8	60.4	63.4	66.5	68.2	68.7	70.0	70.8	70.9	71.1	71.2	71.3	71.4
>= 2000	23.2	42.6	48.9	55.1	63.2	66.7	70.2	72.3	72.8	74.3	75.2	75.2	75.5	75.5	75.7	75.8
>= 1800	23.3	42.9	49.3	55.6	63.9	67.5	71.1	73.2	73.8	75.3	76.2	76.3	76.5	76.5	76.7	76.8
>= 1500	23.5	44.0	50.7	57.3	66.3	70.3	74.3	76.7	77.4	79.0	79.9	80.0	80.3	80.4	80.6	80.7
>= 1200	23.6	44.6	51.8	58.6	68.2	72.4	76.9	79.6	80.3	82.1	83.1	83.2	83.6	83.7	83.8	84.0
>= 1000	23.7	45.0	52.4	59.4	69.4	73.9	78.9	81.8	82.6	84.5	85.7	85.8	86.2	86.3	86.4	86.6
>= 900	23.8	45.2	52.7	59.8	70.0	74.7	79.8	83.0	83.8	85.8	87.1	87.1	87.5	87.6	87.8	87.9
>= 800	23.9	45.6	53.2	60.5	70.8	75.9	81.2	84.8	85.6	87.8	89.2	89.3	89.7	89.8	90.0	90.1
>= 700	23.9	45.7	53.4	60.8	71.4	76.8	82.3	86.2	87.1	89.4	91.0	91.0	91.4	91.5	91.7	91.9
>= 600	23.9	46.0	53.7	61.2	72.1	77.7	83.6	87.9	88.8	91.3	93.0	93.1	93.5	93.7	93.8	94.0
>= 500	24.0	46.1	53.9	61.5	72.6	78.3	84.4	89.0	89.9	92.7	94.7	94.8	95.3	95.4	95.6	95.8
>= 400	24.0	46.2	53.9	61.5	72.9	78.7	85.0	89.7	90.7	93.6	95.8	96.0	96.6	96.8	97.0	97.3
>= 300	24.0	46.2	54.0	61.6	72.9	78.8	85.2	90.1	91.1	94.2	96.6	96.9	97.7	97.9	98.2	98.5
>= 200	24.0	46.2	54.0	61.6	72.9	78.8	85.2	90.2	91.3	94.5	97.0	97.3	98.2	98.5	98.9	99.2
>= 100	24.0	46.2	54.0	61.6	72.9	78.8	85.2	90.2	91.3	94.5	97.1	97.4	98.4	98.7	99.2	99.7
>= 0	24.0	46.2	54.0	61.6	72.9	78.8	85.2	90.2	91.3	94.5	97.1	97.4	98.4	98.8	99.2	100.0

TOTAL NO. OF OBS : 5449

# 1 - SURFACE WINDS

043319 : ATSUGI, JAPAN  
 PERIOD OF RECORD : 1951-1987  
 CLASS : ALL WEATHER  
 CONDITION : NONE SPECIFIED

LAT. : 35 27N LONG. : 139 27E ELEV. : 214 FT  
 MONTH : AUG  
 HOUR : 0000 LST

## PERCENTAGE FREQUENCY OF WIND DIRECTION VS SPEED (FROM HOURLY OBSERVATIONS)

16 PT. DIR.	SPEED (KNOTS)												TOTAL %	MEAN SPEED
	1 - 3	4 - 6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	>=56			
N	4.0	8.0	3.6	.9	.0	.0	.0	.0	.0	.0	.0	16.6	5.5	
NNE	2.6	3.0	.9	.2	.0	.0	.0	.0	.0	.0	.0	6.8	4.5	
NE	1.2	1.2	.5	.1	.0	.0	.0	.0	.0	.0	.0	3.0	4.6	
ENE	.7	.4	.1	.2	.0	.0	.0	.0	.0	.0	.0	1.5	4.7	
E	.7	.5	.2	.0	.0	.0	.0	.0	.0	.0	.0	1.5	3.6	
ESE	.5	.2	.1	.1	.1	.0	.0	.0	.0	.0	.0	1.2	7.8	
SE	.6	.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.5	3.6	
SSE	1.7	.8	.3	.3	.0	.0	.0	.0	.0	.0	.0	3.2	4.1	
S	4.5	7.8	6.6	2.6	.7	.0	.0	.0	.0	.0	.0	22.4	6.7	
SSW	1.7	1.9	3.0	2.1	.1	.0	.0	.0	.0	.0	.0	8.8	7.9	
SW	1.1	.9	.2	.3	.1	.0	.0	.0	.0	.0	.0	2.6	5.8	
WSW	.2	.1	.0	.1	.0	.0	.0	.0	.0	.0	.0	.4	5.8	
W	.8	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.9	2.3	
WNW	.7	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.1	2.9	
NW	1.2	.7	.3	.1	.0	.0	.0	.0	.0	.0	.0	2.3	4.4	
NNW	1.7	2.8	2.0	.4	.0	.1	.0	.0	.0	.0	.0	7.1	6.0	
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
CLW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	19.4	.0	
ALL	24.1	29.7	17.9	7.6	1.1	.2	.0	.0	.0	.0	.0	100.0	4.7	

TOTAL NO. OF OBS : 948

NOTES :  
 \* = PERCENT < .05

# 1 - SURFACE WINDS

043319 : ATSUGI, JAPAN  
 PERIOD OF RECORD : 1951-1987  
 CLASS : ALL WEATHER  
 CONDITION : NONE SPECIFIED

LAT. : 35 27N LONG. : 139 27E ELEV. : 214 FT  
 MONTH : AUG  
 HOUR : 0300 LST

## PERCENTAGE FREQUENCY OF WIND DIRECTION VS SPEED (FROM HOURLY OBSERVATIONS)

16 PT. DIR.	SPEED (KNOTS)											TOTAL %	MEAN WIND SPEED
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	>=56		
N	7.3	9.0	5.3	1.1	.2	.0	.0	.0	.0	.0	.0	22.8	5.2
NNE	2.7	2.5	1.1	.1	.0	.0	.0	.0	.0	.0	.0	6.4	4.4
NE	1.2	.8	.7	.0	.1	.0	.0	.0	.0	.0	.0	2.8	5.1
ENE	.2	.4	.1	.1	.0	.0	.0	.0	.0	.0	.0	.8	5.1
E	.9	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.2	2.6
ESE	.4	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.5	3.0
SE	.4	.2	.1	.0	.0	.0	.0	.0	.0	.0	.0	.7	3.6
SSE	.4	.4	1.1	.1	.1	.0	.0	.0	.0	.0	.0	2.1	7.0
S	3.4	3.6	3.1	1.7	.4	.0	.0	.0	.0	.0	.0	12.1	6.6
SSW	.8	2.2	2.0	1.7	.2	.0	.1	.0	.0	.0	.0	7.1	8.5
SW	1.1	.5	.3	.0	.1	.0	.0	.0	.0	.0	.0	2.0	4.4
WSW	1.1	.2	.1	.0	.0	.0	.0	.0	.0	.0	.0	1.4	2.7
W	1.4	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.5	2.1
WNW	1.1	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.3	2.6
NW	2.0	1.1	.5	.0	.0	.0	.0	.0	.0	.0	.0	3.6	4.0
NNW	3.8	5.8	2.1	.3	.0	.0	.0	.0	.0	.0	.0	12.0	4.9
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CLW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	21.6	.0
ALL	28.2	27.4	16.5	5.1	1.2	.0	.1	.0	.0	.0	.0	100.0	4.2

TOTAL NO. OF OBS : 948

NOTES :  
 \* = PERCENT < .05

# 1 - SURFACE WINDS

043319 : ATSUGI, JAPAN  
 PERIOD OF RECORD : 1951-1987  
 CLASS : ALL WEATHER  
 CONDITION : NONE SPECIFIED

LAT. : 35 27N LONG. : 139 27E ELEV. : 214 FT  
 MONTH : AUG  
 HOUR : 0600 LST

## PERCENTAGE FREQUENCY OF WIND DIRECTION VS SPEED (FROM HOURLY OBSERVATIONS)

SPEED (KNOTS)														TOTAL	MEAN	
16 PT.	1	3	4	6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	>56			%
DIR.																
N	12.4	13.4			5.6	1.3		.3		.0		.0		33.0		4.9
NNE	3.1	3.7			.9	.0		.0		.0		.0		7.8		4.2
NE	.5	.9			.2	.0		.0		.0		.0		1.5		4.4
ENE	.5	.5			.1	.0		.0		.0		.0		1.1		5.2
E	.7	.0			.1	.0		.0		.0		.0		.8		2.5
ESE	.2	.1			.0	.0		.0		.0		.0		.3		3.0
SE	.2	.3			.2	.2		.0		.0		.0		.9		6.6
SSE	.5	.7			.2	.2		.0		.0		.0		1.5		5.7
S	1.2	2.3			2.7	1.8		.3		.0		.0		8.6		8.6
SSW	1.2	.8			1.9	.9		.2		.0		.0		5.0		7.8
SW	.3	.9			.2	.4		.1		.0		.0		1.8		7.2
WSW	.7	.0			.0	.1		.0		.0		.0		.8		3.3
W	.4	.2			.1	.1		.0		.0		.0		.8		4.5
WNW	1.2	.0			.0	.1		.0		.0		.0		1.3		2.9
NW	1.3	2.1			.2	.0		.0		.0		.0		3.6		4.0
NNW	3.9	4.7			1.7	.4		.0		.0		.0		10.7		4.6
VAR	.0	.0			.0	.0		.0		.0		.0		.0		.0
CLM	.0	.0			.0	.0		.0		.0		.0		20.6		.0
ALL	28.2	30.3			14.0	5.4		.9		.6		.0		100.0		4.2

TOTAL NO. OF OBS : 1055

NOTES :  
 \* = PERCENT < .05

# 1 - SURFACE WINDS

043319 : ATSUGI, JAPAN  
 PERIOD OF RECORD : 1951-1987  
 CLASS : ALL WEATHER  
 CONDITION : NONE SPECIFIED

LAT. : 35 27N LONG. : 139 27E ELEV. : 214 FT  
 MONTH : AUG  
 HOUR : 0900 LST

## PERCENTAGE FREQUENCY OF WIND DIRECTION VS SPEED (FROM HOURLY OBSERVATIONS)

16 PT. DIR.	SPEED (KNOTS)																TOTAL %	MEAN WIND SPEED
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	>56							
N	3.3	5.3	6.8	2.4	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	18.0	6.9
NNE	2.0	7.0	4.1	.4	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	13.7	5.9
NE	1.9	3.2	1.2	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	6.4	4.9
ENE	1.9	1.3	.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.8	4.1
E	1.3	.6	.5	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.4	4.2
ESE	1.0	.3	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.4	3.1
SE	.4	.6	.1	.2	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.4	6.6
SSE	.7	1.0	.5	.4	.2	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.8	7.5
S	2.9	4.6	4.9	4.4	.5	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	17.6	8.2
SSW	1.6	2.4	3.7	2.9	.5	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	11.3	8.9
SW	1.1	1.1	.4	1.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.6	6.9
WSW	.3	.7	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.1	4.5
W	.7	.3	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.1	3.1
WNW	.5	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.7	3.4
NW	.3	.3	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.0	5.3
NNW	1.0	2.0	1.8	.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	5.3	6.6
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CLM	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	8.6	.0
ALL	20.7	30.6	25.4	12.6	1.6	.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0	6.2

TOTAL NO. OF OBS : 1025

NOTES :  
 \* = PERCENT < .05



# 1 - SURFACE WINDS

043319 : ATSUGI, JAPAN  
 PERIOD OF RECORD : 1951-1987  
 CLASS : ALL WEATHER  
 CONDITION : NONE SPECIFIED

LAT. : 35 27N LONG. : 139 27E ELEV. : 214 FT  
 MONTH : AUG  
 HOUR : 1200 LST

## PERCENTAGE FREQUENCY OF WIND DIRECTION VS SPEED (FROM HOURLY OBSERVATIONS)

16 PT.		SPEED (KNOTS)																TOTAL	MEAN
DIR.		1	3	4	6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	>56	%	WIND	SPEED		
N	1.1	2.5	3.3	2.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	9.1	8.1			
NNE	1.0	2.1	3.3	.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	7.2	7.1			
NE	1.3	2.2	1.9	.2	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	5.7	5.8			
ENE	1.3	2.1	1.1	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	4.9	5.5			
E	.8	1.9	.9	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.7	5.6			
ESE	.7	1.1	1.0	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.1	6.1			
SE	.5	1.4	.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.8	5.3			
SSE	.8	1.5	2.3	.7	.6	.2	.0	.0	.0	.0	.0	.0	.0	.0	6.0	8.9			
S	1.4	5.4	12.0	10.6	1.8	.5	.1	.0	.0	.0	.0	.0	.0	.0	31.9	10.1			
SSW	.9	2.6	5.4	5.2	1.5	.1	.0	.0	.0	.0	.0	.0	.0	.0	15.7	10.3			
SW	.2	.5	.7	.5	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.2	10.0			
WSW	.2	.2	.2	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.7	6.1			
W	.1	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.3	4.0			
WNW	.1	.2	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.4	4.5			
NW	.3	.1	.4	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.9	6.3			
NNW	.0	1.0	.7	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.8	6.9			
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0			
CLM	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.7	.0			
ALL	10.6	25.0	33.9	21.2	4.6	.8	.1	.0	.0	.0	.0	.0	.0	.0	100.0	8.2			

TOTAL NO. OF OBS : 1046

NOTES :  
 \* = PERCENT < .05

# 1 - SURFACE WINDS

043319 : ATSUGI, JAPAN  
 PERIOD OF RECORD : 1951-1987  
 CLASS : ALL WEATHER  
 CONDITION : NONE SPECIFIED

LAT. : 35 27N LONG. : 139 27E ELEV. : 214 FT  
 MONTH : AUG  
 HOUR : 1500 LST

PERCENTAGE FREQUENCY OF WIND  
 DIRECTION VS SPEED  
 (FROM HOURLY OBSERVATIONS)

DIR.	SPEED (KNOTS)																TOTAL	MEAN
	1-5	6-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	>=56	#	WIND						
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
N	.7	1.4	1.8	1.5	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	8.6
NNE	.6	1.4	1.5	.8	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	7.5
NE	.5	1.2	1.3	.1	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	7.1
ENE	.4	.7	1.0	.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	7.9
E	.3	1.3	1.7	1.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	8.1
ESE	.2	.8	.9	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	7.2
SE	.1	1.5	.7	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	7.0
SSE	.9	1.9	2.4	1.6	.5	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	8.6
S	.5	4.6	15.8	17.2	2.7	.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	10.9
SSW	.1	2.2	6.8	7.4	1.7	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	10.9
SW	.6	.7	1.9	.3	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	8.8
WSW	.2	.1	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	6.6
W	.0	.2	.2	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	8.4
WNW	.2	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	7.7
NW	.0	.0	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	9.0
NNW	.2	.8	.7	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	6.9
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CLM	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
ALL	5.3	18.6	37.0	31.3	5.7	.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	9.6

TOTAL NO. OF OBS : 1062

NOTES :  
 # = PERCENT < .05

# 1 - SURFACE WINDS

043319 : ATSUGI, JAPAN LAT. : 35 27N LONG. : 139 27E ELEV. : 214 FT  
 PERIOD OF RECORD : 1951-1987 MONTH : AUG  
 CLASS : ALL WEATHER HOUR : 1800 LST  
 CONDITION : NONE SPECIFIED

## PERCENTAGE FREQUENCY OF WIND DIRECTION VS SPEED (FROM HOURLY OBSERVATIONS)

SPEED (KNOTS)														TOTAL	MEAN
>=56														%	WIND
DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55				SPEED	
N	.5	1.9	2.3	.8	.0	.0	.0	.0	.0	.0	5.5	7.3			
NNE	.8	1.5	.8	.1	.0	.0	.0	.0	.0	.0	3.3	5.9			
NE	.6	1.0	1.0	.2	.0	.0	.0	.0	.0	.0	2.8	6.3			
ENE	.2	.9	1.3	.7	.0	.0	.0	.0	.0	.0	3.1	7.8			
E	1.1	1.0	1.8	.1	.0	.0	.0	.0	.0	.0	4.0	5.9			
ESE	.4	.9	.6	.2	.0	.0	.0	.0	.0	.0	2.1	5.9			
SE	.1	.9	.6	.2	.0	.0	.0	.0	.0	.0	1.8	6.4			
SSE	.9	2.3	1.9	.7	.0	.0	.0	.0	.0	.0	5.7	6.4			
S	2.4	10.1	18.7	10.0	1.7	.2	.0	.0	.0	.0	43.2	8.9			
SSW	1.9	4.7	6.8	4.5	.5	.1	.0	.0	.0	.0	18.4	8.4			
SW	.9	1.3	.8	.6	.1	.0	.0	.0	.0	.0	3.8	6.7			
WSW	.3	.5	.2	.1	.0	.0	.0	.0	.0	.0	1.0	5.1			
W	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.2	3.5			
WNW	.2	.1	.0	.0	.0	.0	.0	.0	.0	.0	.3	3.0			
NW	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.2	4.0			
NNW	.4	.7	.3	.2	.1	.0	.0	.0	.0	.0	1.6	7.4			
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0			
CLM	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.0	.0			
ALL	10.8	28.1	37.1	18.3	2.4	.3	.0	.0	.0	.0	100.0	7.7			

TOTAL NO. OF OBS : 1065

NOTES :  
 \* = PERCENT < .05

# 1 - SURFACE WINDS

043319 : ATSUGI, JAPAN  
 PERIOD OF RECORD : 1951-1987  
 CLASS : ALL WEATHER  
 CONDITION : NONE SPECIFIED

LAT. : 35 27N LONG. : 139 27E ELEV. : 214 FT  
 MONTH : AUG  
 HOUR : 2100 LST

## PERCENTAGE FREQUENCY OF WIND DIRECTION VS SPEED (FROM HOURLY OBSERVATIONS)

SPEED (KNOTS)														TOTAL %	MEAN SPEED
16 PT. 1	1 - 31	4 - 61	7-101	11-161	17-211	22-271	28-331	34-401	41-471	48-551	>=561				
DIR. 1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
N	2.2	3.9	2.3	.8	.3	.0	.0	.0	.0	.0	.0	9.3	6.1		
NNE	1.3	2.0	1.4	.5	.1	.0	.0	.0	.0	.0	.0	5.3	6.1		
NE	1.2	1.2	1.4	.1	.0	.0	.0	.0	.0	.0	.0	3.9	5.7		
ENE	.8	.8	.5	.2	.0	.0	.0	.0	.0	.0	.0	2.3	5.6		
E	.8	1.4	.4	.3	.0	.0	.0	.0	.0	.0	.0	2.8	5.6		
ESE	.8	1.6	.2	.0	.0	.0	.0	.0	.0	.0	.0	2.5	4.3		
SE	1.1	1.1	.3	.1	.0	.0	.0	.0	.0	.0	.0	2.6	4.0		
SSE	1.6	2.7	1.4	.5	.0	.0	.0	.0	.0	.0	.0	6.2	5.5		
S	5.5	10.3	10.8	4.1	.5	.3	.0	.0	.0	.0	.0	31.5	7.0		
SSW	2.3	3.0	3.3	3.0	.5	.0	.0	.0	.0	.0	.0	12.1	7.9		
SW	.9	.4	.6	.7	.1	.0	.0	.0	.0	.0	.0	2.6	7.5		
WSW	.3	.2	.1	.1	.0	.0	.0	.0	.0	.0	.0	.7	5.4		
W	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	2.0		
WNW	.4	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.8	3.8		
NW	.4	.8	.0	.1	.0	.0	.0	.0	.0	.0	.0	1.2	4.6		
NNW	.8	1.1	1.4	.4	.0	.0	.0	.0	.0	.0	.0	3.7	6.5		
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		
CLW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	12.3	.0		
ALL	20.4	30.9	24.0	10.7	1.4	.3	.0	.0	.0	.0	.0	100.0	5.7		

TOTAL NO. OF OBS : 1064

NOTES :  
 \* = PERCENT < .05

# 1 - SURFACE WINDS

043319 : ATSUGI, JAPAN  
 PERIOD OF RECORD : 1951-1987  
 CLASS : ALL WEATHER  
 CONDITION : NONE SPECIFIED

LAT. : 35 27N LONG. : 139 27E ELEV. : 214 FT  
 MONTH : AUG  
 HOUR : ALL

## PERCENTAGE FREQUENCY OF WIND DIRECTION VS SPEED (FROM HOURLY OBSERVATIONS)

16 PT. I		SPEED (KNOTS)																TOTAL		MEAN
DIR.		1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	>=56	%			WIND				
																SPEED				
N	3.9	5.6	3.8	1.4	.1	.0	.0	.0	.0	.0	.0	.0	.0	14.8		6.0				
NNE	1.7	2.9	1.8	.4	.0*	.0	.0	.0	.0	.0	.0	.0	.0	6.8		5.6				
NE	1.0	1.5	1.0	.1	.0*	.0	.0	.0	.0	.0	.0	.0	.0	3.7		5.5				
ENE	.7	.9	.6	.3	.0	.0*	.0	.0	.0	.0	.0	.0	.0	2.5		5.8				
E	.8	.9	.7	.2	.0*	.0	.0	.0	.0	.0	.0	.0	.0	2.6		5.6				
ESE	.5	.7	.4	.1	.0*	.0*	.0	.0	.0	.0	.0	.0	.0	1.7		5.5				
SE	.4	.9	.4	.1	.0*	.0	.0	.0	.0	.0	.0	.0	.0	1.8		5.5				
SSE	.9	1.4	1.3	.6	.2	.0*	.0	.0	.0	.0	.0	.0	.0	4.4		7.1				
S	2.7	6.1	9.5	6.7	1.1	.3	.0*	.0	.0	.0	.0	.0	.0	26.4		8.8				
SSW	1.3	2.5	4.2	3.5	.7	.1	.0*	.0	.0	.0	.0	.0	.0	12.2		9.1				
SW	.8	.8	.6	.5	.2	.0	.0	.0	.0	.0	.0	.0	.0	2.8		7.3				
WSW	.4	.2	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.8		4.6				
W	.4	.1	.0*	.0*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.7		3.4				
WNW	.5	.2	.0*	.0*	.0*	.0	.0	.0	.0	.0	.0	.0	.0	.7		3.4				
NW	.7	.6	.3	.0*	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.6		4.5				
NNW	1.4	2.3	1.3	.3	.0*	.0*	.0	.0	.0	.0	.0	.0	.0	5.4		5.6				
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0				
CLM	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	11.1		.0				
ALL	18.3	27.6	26.0	14.2	2.4	.4	.0*	.0	.0	.0	.0	.0	.0	100.0		6.4				

TOTAL NO. OF OBS : 8213

NOTES :  
 \* = PERCENT < .05

## 2 - CEILING VS VISIBILITY

043319 : ATSUGI, JAPAN  
PERIOD OF RECORD : 1951-1987LAT. : 35 27N LONG. : 139 27E ELEV. : 214 FT  
MONTH : AUG  
HOUR : 0000 LST

CLASS : ALL WEATHER

CONDITION : NONE SPECIFIED

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

CEILING	VISIBILITY (STATUTE MILES)															
	>=10	>=6	>=5	>=4	>=3	>=2	1/2	>=1	1/2	>=1	1/4	>=1	>=3/4	>=5/8	>=1/2	>=5/16
UNLIMIT	29.2	37.6	41.3	44.0	49.0	50.1	51.1	52.1	52.1	52.8	53.0	53.0	53.0	53.0	53.0	53.0
>=20000	29.9	38.5	42.4	45.1	50.3	51.4	52.5	53.6	53.6	54.4	54.6	54.6	54.6	54.6	54.6	54.6
>=18000	29.9	38.5	42.4	45.1	50.3	51.4	52.5	53.6	53.6	54.4	54.6	54.6	54.6	54.6	54.6	54.6
>=16000	29.9	38.6	42.5	45.2	50.5	51.5	52.6	53.7	53.7	54.5	54.8	54.8	54.8	54.8	54.8	54.8
>=14000	29.9	39.0	42.9	45.8	51.0	52.1	53.2	54.2	54.2	55.0	55.3	55.3	55.3	55.3	55.3	55.3
>=12000	30.4	40.4	44.4	47.5	52.9	54.1	55.5	56.5	56.5	57.3	57.6	57.6	57.6	57.6	57.6	57.6
>=10000	31.6	42.9	47.5	50.6	56.0	57.2	58.7	60.0	60.0	61.0	61.2	61.2	61.2	61.2	61.2	61.2
>=9000	32.0	43.3	48.0	51.1	56.5	57.9	59.4	60.8	60.8	61.8	62.0	62.0	62.0	62.0	62.0	62.0
>=8000	33.0	44.7	49.8	53.3	59.2	60.6	62.7	64.3	64.3	65.3	65.5	65.5	65.5	65.5	65.5	65.5
>=7000	33.9	46.6	51.8	55.3	61.4	62.9	65.1	66.8	66.8	67.7	68.0	68.0	68.0	68.0	68.0	68.0
>=6000	34.1	46.7	52.1	55.9	62.0	63.7	65.9	67.6	67.6	68.5	68.8	68.8	68.8	68.8	68.8	68.8
>=5000	34.6	47.9	53.4	57.3	63.7	65.3	67.6	69.2	69.2	70.1	70.5	70.5	70.5	70.5	70.5	70.5
>=4500	34.9	48.9	54.4	58.3	65.0	66.6	68.9	70.5	70.5	71.5	71.9	71.9	71.9	71.9	71.9	71.9
>=4000	35.1	50.1	56.3	60.4	67.2	69.0	71.5	73.1	73.1	74.0	74.4	74.4	74.4	74.4	74.4	74.4
>=3500	35.4	50.6	56.9	61.2	68.2	70.1	72.5	74.2	74.2	75.2	75.6	75.6	75.6	75.6	75.6	75.6
>=3000	36.1	52.4	59.0	63.3	70.3	72.1	74.7	76.4	76.4	77.5	77.9	77.9	77.9	77.9	77.9	77.9
>=2500	36.6	54.1	61.1	65.4	72.9	75.0	77.5	79.4	79.4	80.6	81.2	81.2	81.2	81.2	81.2	81.2
>=2000	37.3	55.9	63.1	67.7	75.5	77.5	80.2	82.1	82.1	83.3	83.8	83.8	83.8	83.8	83.8	83.8
>=1800	37.4	56.0	63.3	68.0	75.9	78.1	80.8	82.6	82.6	83.8	84.4	84.4	84.4	84.4	84.4	84.4
>=1500	37.6	57.1	64.7	69.9	78.1	80.3	83.2	85.1	85.1	86.5	87.1	87.1	87.1	87.1	87.1	87.1
>=1200	37.7	57.9	65.9	71.2	79.7	82.1	84.9	86.8	86.8	88.7	89.5	89.5	89.5	89.5	89.5	89.5
>=1000	37.7	58.3	66.4	71.6	80.5	83.3	86.7	89.1	89.1	91.0	91.8	91.8	91.8	91.8	91.8	91.8
>=900	37.8	58.4	66.6	71.9	81.0	83.8	87.5	89.9	89.9	90.2	91.8	92.6	92.6	92.6	92.6	92.6
>=800	37.8	58.4	66.8	72.0	81.4	84.4	88.2	90.6	90.6	90.8	92.6	93.4	93.4	93.4	93.4	93.4
>=700	38.0	59.0	67.3	72.5	82.2	85.3	89.4	91.9	91.9	92.2	93.9	94.8	94.8	94.8	94.8	94.8
>=600	38.1	59.1	67.6	73.1	82.8	85.9	90.0	92.7	92.7	93.1	95.0	96.0	96.0	96.0	96.0	96.0
>=500	38.1	59.1	67.7	73.4	83.4	86.5	90.8	93.5	93.5	94.1	96.2	97.6	97.6	97.6	97.6	97.6
>=400	38.1	59.1	67.8	73.5	84.0	87.1	91.5	94.3	94.3	95.0	97.3	98.7	98.7	98.7	98.7	98.7
>=300	38.1	59.1	67.8	73.5	84.0	87.1	91.8	94.6	94.6	95.3	97.6	98.9	98.9	98.9	98.9	98.9
>=200	38.1	59.1	67.8	73.5	84.0	87.1	91.8	94.6	94.6	95.3	97.7	99.1	99.1	99.1	99.1	99.1
>=100	38.1	59.1	67.8	73.5	84.0	87.1	91.8	94.6	94.6	95.3	97.7	99.1	99.1	99.1	99.1	99.1
>=0	38.1	59.1	67.8	73.5	84.0	87.1	91.8	94.6	94.6	95.3	97.7	99.1	99.1	99.1	99.1	99.1

TOTAL NO. OF OPS : 743

## 2 - CEILING VS VISIBILITY

043319 : ATSUGI, JAPAN  
 PERIOD OF RECORD : 1951-1987  
 CLASS : ALL WEATHER  
 CONDITION : NONE SPECIFIED

LAT. : 35 27N LONG. : 139 27E ELEV. : 214 FT  
 MONTH : AUG  
 HOUR : 0300 LST

PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)

CEILING	VISIBILITY (STATUTE MILES)											
	>=10	>=6	>=5	>=4	>=3	>=2	1/2	>=2	>=1	1/2	>=1	>=1/4
UNLIMIT	23.4	31.2	35.5	38.6	44.0	45.3	47.2	48.5	48.7	49.0	49.7	49.9
>=20000	23.5	31.8	36.2	39.7	45.1	46.7	48.6	49.9	50.1	50.6	51.3	51.4
>=18000	23.5	31.8	36.2	39.7	45.1	46.7	48.6	49.9	50.1	50.6	51.3	51.4
>=16000	23.5	31.8	36.2	39.7	45.1	46.7	48.6	49.9	50.1	50.6	51.3	51.4
>=14000	24.0	32.2	36.8	40.3	45.7	47.2	49.2	50.4	50.7	51.1	52.1	52.2
>=12000	24.1	33.1	38.2	41.8	47.2	48.7	50.7	52.1	52.4	52.8	53.8	53.9
>=10000	25.2	35.1	40.4	44.3	49.7	51.3	53.3	54.7	55.0	55.7	56.8	57.0
>= 9000	25.6	35.5	40.8	44.7	50.1	51.7	53.8	55.2	55.4	56.1	57.2	57.4
>= 8000	26.2	36.8	42.5	46.7	52.2	54.3	56.5	58.1	58.4	59.2	60.4	60.6
>= 7000	26.6	37.5	43.2	47.5	53.1	55.2	57.4	58.9	59.2	60.0	61.3	61.4
>= 6000	26.7	38.0	44.0	48.3	53.9	56.0	58.2	59.7	60.0	60.9	62.1	62.3
>= 5000	27.6	39.1	45.1	49.7	55.6	57.8	60.0	61.7	62.0	62.8	64.1	64.2
>= 4500	27.9	39.8	45.8	50.4	56.5	58.8	61.0	62.7	63.0	63.8	65.0	65.2
>= 4000	28.4	40.8	47.2	51.8	57.9	60.2	62.5	64.2	64.5	65.3	66.6	66.9
>= 3500	28.8	41.6	48.1	52.6	58.9	61.1	63.5	65.2	65.6	66.4	67.7	67.8
>= 3000	29.7	43.3	50.0	55.2	61.6	63.8	66.3	68.1	68.7	69.5	70.8	71.0
>= 2500	29.9	45.0	52.1	57.5	64.3	66.6	69.4	71.2	71.7	72.6	73.8	74.1
>= 2000	30.4	46.4	53.9	59.7	67.3	69.8	72.8	74.7	75.2	76.0	77.3	77.6
>= 1800	30.4	46.7	54.2	60.2	67.7	70.2	73.3	75.1	75.6	76.5	77.7	78.0
>= 1500	30.6	47.9	56.0	62.3	70.2	73.1	76.7	78.6	79.1	79.9	81.3	81.6
>= 1200	30.8	48.5	56.7	63.4	71.7	74.7	78.7	80.5	81.2	82.5	84.0	84.3
>= 1000	30.9	49.3	57.7	64.6	73.0	76.0	80.5	82.5	83.1	84.5	86.2	86.5
>= 900	31.1	49.4	57.8	64.8	73.3	76.6	81.2	83.1	84.0	85.4	87.0	87.3
>= 800	31.1	49.9	58.4	65.5	74.1	77.7	82.7	84.7	85.7	87.0	88.9	89.1
>= 700	31.1	50.0	58.8	65.9	74.8	78.6	83.6	85.5	86.5	87.9	89.8	90.1
>= 600	31.2	50.7	59.5	66.7	76.0	79.8	85.0	87.0	88.0	90.1	92.2	92.5
>= 500	31.3	51.1	60.0	67.4	76.9	80.9	86.2	88.6	89.6	91.9	94.2	94.4
>= 400	31.3	51.3	60.2	67.5	77.0	81.2	86.8	89.1	90.3	92.9	95.3	95.5
>= 300	31.3	51.3	60.4	67.8	77.4	81.6	87.5	90.1	91.2	94.2	96.7	96.9
>= 200	31.3	51.3	60.4	68.0	77.6	81.8	87.6	90.4	91.5	94.4	97.1	97.5
>= 100	31.3	51.3	60.4	68.0	77.6	81.8	87.6	90.4	91.5	94.4	97.1	97.5
>= 0	31.3	51.3	60.4	68.0	77.6	81.8	87.6	90.4	91.5	94.4	97.1	97.2

TOTAL NO. OF OBS : 718

## 2 - CEILING VS VISIBILITY

043319 : AYSUGI, JAPAN  
 PERIOD OF RECORD : 1951-1987  
 CLASS : ALL WEATHER  
 CONDITION : NONE SPECIFIED

LAT. : 35 27N LONG. : 139 27E ELEV. : 214 FT  
 MONTH : AUG  
 HOUR : 0600 LST

PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)

CEILING	>=10	>6	>5	>4	>3	>=2	1/2	>=1	1/2	>=1	1/2	>=3/4	>=5/8	>=1/2	>=5/16	>=1/4	>=0
UNLIMIT	13.0	17.9	20.5	24.4	29.1	32.0	34.2	36.3	37.3	39.1	40.2	40.8	41.2	41.2	41.2	41.5	41.7
>=20000	13.8	19.0	21.9	26.0	30.9	33.9	36.1	38.3	39.5	41.5	42.5	43.1	43.6	43.6	43.6	43.9	44.2
>=18000	14.1	19.3	22.2	26.3	31.2	34.2	36.4	38.6	39.8	41.7	42.8	43.4	43.9	43.9	43.9	44.2	44.5
>=16000	14.1	19.3	22.2	26.3	31.2	34.2	36.4	38.6	39.8	41.7	42.8	43.4	43.9	43.9	43.9	44.2	44.5
>=14000	14.4	19.8	22.7	26.8	32.0	35.0	37.3	39.7	41.0	43.0	44.0	44.6	45.1	45.1	45.1	45.4	45.7
>=12000	15.3	22.0	25.0	29.4	34.7	37.9	40.4	42.7	44.2	46.4	47.5	48.0	48.6	48.6	48.6	48.8	49.1
>=10000	16.3	23.9	26.9	31.5	37.5	40.6	43.5	45.8	47.3	49.9	51.2	51.7	52.4	52.4	52.4	52.9	52.9
>= 9000	16.4	24.2	27.2	31.7	37.8	40.9	43.9	46.2	47.7	50.3	51.6	52.1	52.8	52.8	52.8	53.1	53.5
>= 8000	17.2	25.4	29.0	33.5	39.8	43.1	46.5	49.0	50.5	53.2	54.9	55.4	56.2	56.2	56.2	56.5	56.9
>= 7000	17.4	25.6	29.3	34.1	40.4	43.6	47.2	49.7	51.2	53.9	55.5	56.1	56.9	56.9	56.9	57.3	57.7
>= 6000	17.8	26.1	30.0	34.9	41.3	44.6	48.2	50.6	52.1	54.9	56.5	57.0	57.9	57.9	57.9	58.3	58.7
>= 5000	18.3	26.9	30.9	36.1	42.8	46.2	50.1	52.7	54.2	56.9	58.5	59.1	59.9	59.9	59.9	60.3	60.7
>= 4500	19.0	27.8	32.1	37.5	44.5	47.9	51.8	54.4	56.0	58.7	60.3	60.9	61.7	61.7	61.7	62.1	62.5
>= 4000	19.6	29.5	33.9	39.3	46.5	50.6	54.6	57.2	58.8	61.6	63.3	63.9	64.7	64.7	64.7	65.1	65.5
>= 3500	19.6	30.2	34.6	40.1	47.5	51.6	55.7	58.4	60.1	62.8	64.7	65.4	66.2	66.2	66.2	66.6	67.0
>= 3000	19.7	30.9	35.6	41.3	48.8	53.2	57.5	60.6	62.4	65.1	67.2	67.9	68.7	68.7	68.7	69.1	69.5
>= 2500	19.8	31.9	36.9	43.1	51.2	55.7	60.1	63.3	65.1	67.9	70.0	70.7	71.5	71.5	71.5	72.0	72.4
>= 2000	20.4	33.2	38.3	44.6	53.1	57.6	62.1	65.9	67.7	70.7	72.9	73.6	74.4	74.4	74.6	75.0	75.4
>= 1800	20.5	33.7	38.9	45.1	53.8	58.3	62.9	66.9	68.7	71.8	74.0	74.7	75.5	75.5	75.6	76.1	76.5
>= 1500	20.8	34.6	40.2	46.8	56.5	61.6	67.0	71.0	73.1	76.3	78.9	79.6	80.4	80.4	80.6	81.0	81.4
>= 1200	20.8	35.2	40.9	47.6	57.6	62.8	68.5	72.8	75.0	78.5	81.4	82.1	82.9	82.9	83.0	83.4	83.9
>= 1000	20.9	35.7	41.6	48.3	58.4	63.9	70.0	74.7	76.9	80.4	83.6	84.4	85.2	85.4	85.4	85.8	86.2
>= 900	21.1	35.8	42.0	48.7	58.8	64.6	70.9	75.6	77.8	81.5	84.7	85.5	86.3	86.5	86.5	86.9	87.3
>= 800	21.1	36.3	42.4	49.1	59.2	65.3	71.5	76.6	78.8	82.9	86.0	87.0	88.1	88.2	88.2	88.6	89.1
>= 700	21.1	36.3	42.5	49.4	59.5	65.5	72.0	77.4	79.6	83.7	87.0	88.0	89.1	89.2	89.2	89.6	90.0
>= 600	21.1	36.4	42.8	49.7	59.9	66.2	73.3	79.1	81.4	86.0	89.7	90.7	91.8	91.9	91.9	92.3	92.7
>= 500	21.1	36.5	43.1	50.1	60.9	67.2	75.0	80.8	83.4	88.4	92.2	93.2	94.4	94.4	94.4	95.1	95.5
>= 400	21.1	36.8	43.4	50.5	61.3	67.7	75.6	81.5	84.3	89.3	93.3	94.4	95.6	95.6	95.9	96.3	96.7
>= 300	21.1	36.8	43.4	50.5	61.3	67.7	75.6	81.5	84.3	89.5	93.4	94.8	96.3	96.3	96.6	97.0	97.5
>= 200	21.1	36.8	43.4	50.5	61.3	67.7	75.6	81.5	84.3	89.5	93.4	94.8	96.3	96.3	96.6	97.5	98.4
>= 100	21.1	36.8	43.4	50.5	61.3	67.7	75.6	81.5	84.3	89.5	93.4	94.8	96.4	96.4	96.7	97.9	99.2
>= 0	21.1	36.8	43.4	50.5	61.3	67.7	75.6	81.5	84.3	89.5	93.4	94.8	96.4	96.4	96.9	98.1	100.0

TOTAL NO. OF OBS : 731



## 2 - CEILING VS VISIBILITY

043319 : ATSUGI, JAPAN  
 PERIOD OF RECORD : 1951-1987  
 CLASS : ALL WEATHER  
 CONDITION : NONE SPECIFIED

LAT. : 35 27N LONG. : 139 27E ELEV. : 214 FT  
 MONTH : AUG  
 HOUR : 0900 LST

PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)

CEILING	VISIBILITY (STATUTE MILES)															
	>=10	>=6	>=5	>=4	>=3	>=2	1/2	>=2	1/2	>=1	1/2	>=1	1/4	>=1	>=3/4	>=5/8
UNLIMIT	16.2	23.1	26.1	31.5	37.9	39.4	41.7	42.9	43.0	43.2	43.2	43.2	43.2	43.2	43.2	43.2
>=20000	17.1	24.9	28.4	34.1	40.6	42.4	44.7	45.9	46.0	46.1	46.1	46.1	46.1	46.1	46.1	46.1
>=18000	17.1	25.0	28.6	34.4	41.0	42.8	45.1	46.4	46.5	46.7	46.7	46.7	46.7	46.7	46.7	46.7
>=16000	17.6	25.6	29.1	34.9	41.5	43.3	45.6	47.0	47.1	47.2	47.2	47.2	47.2	47.2	47.2	47.2
>=14000	18.0	26.7	30.3	36.4	43.3	45.1	47.4	48.7	48.8	49.1	49.1	49.1	49.1	49.1	49.1	49.1
>=12000	18.7	28.3	32.2	38.7	46.0	47.9	50.2	51.6	51.7	52.0	52.0	52.0	52.0	52.0	52.0	52.0
>=10000	19.5	29.6	34.1	41.0	48.8	50.7	53.2	54.5	54.7	55.1	55.1	55.1	55.1	55.1	55.1	55.1
>=9000	19.8	29.9	34.4	41.4	49.4	51.3	53.7	55.1	55.2	55.6	55.6	55.6	55.6	55.6	55.6	55.6
>=8000	20.4	31.3	36.0	43.4	51.7	53.6	56.0	57.4	57.5	57.9	57.9	57.9	57.9	57.9	57.9	57.9
>=7000	20.7	31.8	36.8	44.4	53.0	54.9	57.5	58.9	59.0	59.4	59.4	59.4	59.4	59.4	59.4	59.4
>=6000	20.7	31.9	37.5	45.3	54.0	55.9	58.5	59.8	59.9	60.4	60.4	60.4	60.4	60.4	60.4	60.4
>=5000	20.8	32.6	38.3	46.4	55.2	57.2	59.9	61.3	61.4	61.8	61.8	61.8	61.8	61.8	61.8	61.8
>=4500	21.0	33.3	39.0	47.6	56.6	58.6	61.4	62.8	62.9	63.3	63.3	63.3	63.3	63.3	63.3	63.3
>=4000	21.0	33.8	39.8	48.6	57.6	59.8	62.9	64.7	64.8	65.4	65.4	65.4	65.4	65.4	65.4	65.4
>=3500	21.2	34.8	40.9	50.1	59.1	61.4	64.7	66.4	66.6	67.1	67.1	67.1	67.1	67.1	67.1	67.1
>=3000	22.1	36.7	43.0	52.5	62.1	64.8	68.3	70.1	70.2	70.9	70.9	70.9	70.9	70.9	70.9	70.9
>=2500	23.0	38.7	45.6	55.5	65.2	68.3	72.0	74.3	74.4	75.1	75.1	75.1	75.1	75.1	75.1	75.1
>=2000	23.5	39.9	47.0	57.1	67.5	71.4	75.5	77.9	78.1	78.9	78.9	78.9	78.9	78.9	78.9	78.9
>=1800	23.5	40.6	47.8	57.9	68.3	72.4	76.6	79.0	79.2	80.0	80.0	80.0	80.0	80.0	80.0	80.0
>=1500	23.5	41.4	49.4	60.1	70.8	75.2	80.0	82.7	82.8	83.6	83.6	83.6	83.6	83.6	83.6	83.6
>=1200	23.7	42.1	50.5	61.4	72.7	77.8	83.1	86.2	86.3	87.1	87.1	87.1	87.1	87.1	87.1	87.1
>=1000	23.7	42.8	51.4	62.9	74.6	80.6	86.3	89.6	89.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7
>=900	23.7	42.8	51.6	63.1	74.7	81.1	86.9	90.3	90.4	91.5	91.5	91.5	91.5	91.5	91.5	91.5
>=800	23.8	43.0	51.8	63.6	75.8	82.3	88.6	92.3	92.6	94.0	94.2	94.2	94.2	94.2	94.2	94.2
>=700	24.0	43.3	52.4	64.3	76.6	83.4	89.7	93.8	94.2	95.8	95.9	95.9	95.9	95.9	95.9	95.9
>=600	24.0	43.3	52.6	64.7	77.4	84.2	90.7	94.9	95.3	96.9	97.3	97.3	97.3	97.3	97.3	97.3
>=500	24.0	43.4	52.9	65.1	77.9	84.8	91.5	96.2	96.6	98.2	98.6	98.6	98.6	98.6	98.6	98.6
>=400	24.0	43.4	52.9	65.1	78.1	85.0	91.9	96.9	97.3	99.1	99.6	99.6	99.6	99.6	99.6	99.6
>=300	24.0	43.4	52.9	65.1	78.1	85.0	91.9	96.9	97.4	99.2	99.7	99.7	99.7	99.7	99.7	99.7
>=200	24.0	43.4	52.9	65.1	78.1	85.0	91.9	96.9	97.4	99.2	99.7	99.7	99.7	99.7	99.7	99.7
>=100	24.0	43.4	52.9	65.1	78.1	85.0	91.9	96.9	97.4	99.2	99.7	99.7	99.7	99.7	99.7	99.7
>=0	24.0	43.4	52.9	65.1	78.1	85.3	91.9	96.9	97.4	99.2	99.7	99.7	99.7	99.7	99.7	99.7

TOTAL NO. OF OPS : 739

043319 : ATSUGI, JAPAN  
 PERIOD OF RECORD : 1951-1987  
 CLASS : ALL WEATHER  
 CONDITION : NONE SPECIFIED

LAT. : 35 27N LONG. : 139 27E ELEV. : 214 FT  
 MONTH : AUG  
 HOUR : 1200 LST

PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)

CEILING	>=10	>=6	>=5	>=4	>=3	>=2	1/2	>=1	1/2	>=1	1/4	>=1	3/4	>=5/8	>=1/2	>=5/16	>=1/4	>=0
UNLIMIT	22.3	32.4	36.6	39.4	43.7	44.7	45.9	45.9	45.9	45.9	45.9	45.9	45.9	45.9	45.9	45.9	45.9	45.9
>=20000	23.1	34.3	39.2	42.4	46.8	47.9	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2
>=18000	23.1	34.3	39.2	42.4	47.1	48.2	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4
>=16000	23.5	34.9	39.8	43.0	47.6	48.7	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
>=14000	24.1	36.1	41.2	44.7	49.4	50.6	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8
>=12000	25.2	38.0	43.3	47.1	52.0	53.5	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8
>=10000	26.1	39.2	44.5	48.3	53.5	55.2	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6
>=9000	26.2	39.6	45.0	48.9	54.2	55.9	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3
>=8000	26.3	39.9	45.2	49.4	54.8	56.6	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1
>=7000	26.5	40.3	46.2	50.4	55.9	57.7	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4
>=6000	26.6	40.8	46.8	51.0	56.4	58.3	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9
>=5000	26.6	41.2	47.2	51.4	57.3	59.7	61.3	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5
>=4500	26.9	41.9	48.0	52.2	58.3	60.6	62.3	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5
>=4000	27.0	42.4	48.6	53.4	59.7	62.2	64.1	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4
>=3500	27.7	44.1	50.6	55.3	61.6	64.1	66.1	66.7	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8
>=3000	28.4	45.7	52.8	57.8	66.4	69.2	71.7	72.7	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8
>=2500	29.4	47.5	55.7	61.8	71.6	74.9	77.5	78.6	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9
>=2000	30.4	49.6	58.7	65.3	76.2	80.0	82.9	84.6	84.9	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0
>=1800	30.5	50.0	59.1	65.7	76.6	80.5	83.5	85.2	85.4	85.6	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7
>=1500	30.5	51.1	60.5	67.5	78.9	83.5	87.3	89.1	89.4	89.9	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1
>=1200	30.8	52.5	62.0	70.0	81.5	86.7	90.6	93.0	93.3	94.0	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1
>=1000	30.8	52.5	62.2	70.9	82.4	87.7	91.6	94.0	94.3	95.0	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1
>=900	30.8	52.5	62.2	70.9	82.5	87.8	92.3	94.7	95.0	95.7	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8
>=800	30.8	52.8	62.5	71.1	82.9	88.4	92.9	95.4	95.7	96.5	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6
>=700	30.8	52.8	62.7	71.8	83.6	89.2	93.8	96.5	96.8	97.6	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8
>=600	30.8	52.9	63.0	72.1	83.9	89.6	94.4	97.5	97.8	98.6	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
>=500	30.8	52.9	63.0	72.1	83.9	89.6	94.5	97.6	98.0	99.0	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
>=400	30.8	53.1	63.2	72.3	84.0	89.8	94.7	97.8	98.2	99.4	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9
>=300	30.8	53.1	63.2	72.3	84.0	89.8	94.7	97.8	98.2	99.4	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9
>=200	30.8	53.1	63.2	72.3	84.0	89.8	94.7	97.8	98.2	99.4	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9
>=100	30.8	53.1	63.2	72.3	84.0	89.8	94.7	97.8	98.2	99.4	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9
>=0	30.8	53.1	63.2	72.3	84.0	89.8	94.7	97.8	98.2	99.4	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9

TOTAL NO. OF OBS : 714

## 2 - CEILING VS VISIBILITY

043319 : AYSUGI, JAPAN  
 PERIOD OF RECORD : 1951-1987  
 CLASS : ALL WEATHER  
 CONDITION : NONE SPECIFIED

LAT. : 35 27N LONG. : 139 27E ELEV. : 214 FT  
 MONTH : AUG  
 HOUR : 1500 LST

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

CEILING	VISIBILITY (STATUTE MILES)									
	>=10	>=6	>=5	>=4	>=3	>=2 1/2	>=2	>=1 1/2	>=1 1/4	>=1
UNLIMIT	27.8	40.6	43.8	47.8	51.3	52.8	53.8	54.0	54.0	54.0
>=20000	29.1	43.3	47.2	51.6	55.4	56.9	57.8	58.1	58.1	58.1
>=18000	29.1	43.5	47.4	52.0	55.8	57.3	58.2	58.5	58.5	58.5
>=16000	29.2	43.9	47.8	52.6	56.3	57.8	58.8	59.0	59.0	59.0
>=14000	29.5	44.3	48.4	53.2	57.0	58.6	59.6	59.8	59.8	59.8
>=12000	30.6	46.8	50.8	55.7	59.6	61.3	62.3	62.5	62.5	62.5
>=10000	31.4	48.4	52.7	57.7	61.6	63.5	64.6	64.8	64.8	64.8
>= 9000	31.7	49.1	53.4	58.4	62.3	64.3	65.4	65.6	65.6	65.6
>= 8000	31.8	50.3	54.6	59.8	64.0	66.2	67.5	67.8	67.8	67.8
>= 7000	31.9	51.1	55.4	60.6	64.8	67.0	68.3	68.6	68.6	68.6
>= 6000	31.9	51.2	55.7	61.1	65.4	67.5	68.9	69.1	69.1	69.1
>= 5000	32.1	51.9	56.6	62.1	66.7	69.0	70.4	70.6	70.6	70.6
>= 4500	32.1	52.3	57.3	62.9	67.5	69.9	71.3	71.6	71.6	71.6
>= 4000	32.6	53.5	58.8	64.7	69.4	72.0	73.5	73.7	73.7	73.7
>= 3500	32.9	54.4	60.0	65.9	70.6	73.3	75.1	75.5	75.5	75.5
>= 3000	33.8	56.7	62.7	69.3	75.2	78.2	80.3	80.7	80.9	81.0
>= 2500	34.6	58.8	65.0	71.8	78.3	81.4	83.8	84.4	84.5	84.6
>= 2000	35.2	60.8	67.4	74.3	81.3	84.9	87.6	88.1	88.3	88.4
>= 1800	35.2	60.9	67.8	74.8	81.8	85.4	88.4	88.9	89.1	89.2
>= 1500	35.4	61.7	69.3	76.5	84.1	88.0	91.4	92.0	92.3	92.5
>= 1200	35.6	62.8	70.4	77.6	85.3	89.4	93.1	94.2	94.5	94.6
>= 1000	35.6	63.3	70.9	78.2	86.0	90.4	94.5	95.6	96.0	96.1
>= 900	35.6	63.5	71.2	78.7	86.7	91.1	95.1	96.2	96.6	96.9
>= 800	35.6	63.7	71.4	79.1	87.3	91.8	96.1	97.2	97.6	97.8
>= 700	35.6	63.7	71.4	79.1	87.3	91.8	96.2	97.3	97.7	98.0
>= 600	35.6	63.9	71.6	79.4	87.6	92.0	96.5	97.6	98.1	98.7
>= 500	35.6	63.9	71.6	79.4	87.6	92.2	96.8	97.8	98.4	99.2
>= 400	35.6	63.9	71.6	79.4	87.6	92.2	96.8	97.8	98.4	99.2
>= 300	35.6	63.9	71.6	79.4	87.6	92.2	96.8	97.8	98.4	99.2
>= 200	35.6	63.9	71.6	79.4	87.6	92.2	96.8	97.8	98.4	99.2
>= 100	35.6	63.9	71.6	79.4	87.6	92.2	96.8	97.8	98.4	99.2
>= 0	35.6	63.9	71.6	79.4	87.6	92.2	96.8	97.8	98.4	99.2

TOTAL NO. OF OBS : 742

## 2 - CEILING VS VISIBILITY

043319 : ATSUGI, JAPAN  
 PERIOD OF RECORD : 1951-1987  
 CLASS : ALL WEATHER  
 CONDITION : NONE SPECIFIED

LAT. : 35 27N LONG. : 139 27E ELEV. : 214 FT  
 MONTH : AUG  
 HOUR : 1800 LST

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

CEILING	VISIBILITY (STATUTE MILES)																		
	>=10	>=6	>=5	>=4	>=3	>=2	1/2	>=2	>=1	1/2	>=1	1/4	>=1	>=3/4	>=5/8	>=1/2	>=5/16	>=1/4	>=0
UNLIMIT	26.4	36.7	40.9	44.4	49.2	49.9	51.6	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1
>=20000	27.1	39.1	43.6	47.9	53.0	53.7	55.5	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0
>=18000	27.1	39.4	43.8	48.1	53.3	53.9	55.7	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3
>=16000	27.2	40.0	44.4	48.7	53.8	54.6	56.6	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1
>=14000	28.1	41.6	46.2	50.5	55.6	56.4	58.4	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9
>=12000	29.0	43.7	48.7	53.1	58.5	59.6	61.8	62.4	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5
>=10000	30.2	45.8	51.2	56.0	62.0	63.2	65.7	66.3	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4
>=9000	30.3	46.1	51.6	56.6	62.5	63.8	66.4	66.9	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1
>=8000	30.7	46.9	52.7	58.1	64.7	66.3	69.3	70.0	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1
>=7000	31.0	48.0	53.9	59.8	66.4	68.3	71.5	72.2	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3
>=6000	31.0	48.4	54.5	60.4	67.2	69.2	72.5	73.2	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3
>=5000	31.0	49.1	55.3	61.7	68.9	71.4	74.8	75.7	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8
>=4500	31.0	49.5	55.9	62.2	69.6	72.2	75.7	76.5	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6
>=4000	31.1	50.2	56.6	63.2	71.0	74.0	77.5	78.3	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4
>=3500	31.5	51.3	58.1	64.9	72.9	76.2	79.7	80.6	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8
>=3000	31.8	51.9	59.1	66.0	74.7	78.1	82.2	83.4	83.5	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7
>=2500	32.0	52.6	60.3	67.5	76.5	79.9	84.4	85.8	85.9	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0
>=2000	32.1	53.3	61.3	68.9	78.4	82.2	87.0	88.4	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5
>=1800	32.2	53.5	61.5	69.2	78.8	82.6	87.6	89.1	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2
>=1500	32.4	53.8	61.8	69.6	79.7	83.4	88.7	90.5	90.6	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1
>=1200	32.5	54.6	62.9	71.0	81.2	85.1	90.6	92.7	92.8	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4
>=1000	32.6	55.2	63.5	71.6	82.3	86.3	92.3	94.3	94.5	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0
>=900	32.6	55.3	63.6	71.8	82.7	86.7	92.7	94.7	94.9	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4
>=800	32.6	55.9	64.2	72.3	83.4	87.6	93.5	95.6	95.7	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3
>=700	32.6	55.9	64.3	72.5	83.8	88.0	93.9	96.0	96.1	96.7	97.0	97.0	97.1	97.1	97.1	97.1	97.1	97.1	97.1
>=600	32.6	55.9	64.5	72.6	84.2	88.4	94.3	96.8	97.0	98.1	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
>=500	32.6	55.9	64.5	72.6	84.4	88.5	94.7	97.2	97.5	98.6	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
>=400	32.6	55.9	64.5	72.6	84.4	88.5	94.7	97.2	97.5	98.8	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
>=300	32.6	55.9	64.5	72.6	84.4	88.5	94.7	97.4	97.6	98.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
>=200	32.6	55.9	64.5	72.6	84.4	88.5	94.7	97.4	97.6	98.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
>=100	32.6	55.9	64.5	72.6	84.4	88.5	94.7	97.4	97.6	98.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
>=0	32.6	55.9	64.5	72.6	84.4	88.5	94.7	97.4	97.6	98.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9

TOTAL NO. OF OPS : 723

## 2 - CEILING VS VISIBILITY

043319 : ATSUGI, JAPAN  
PERIOD OF RECORD : 1951-1987  
CLASS : ALL WEATHER  
CONDITION : NONE SPECIFIED

LAT. : 35 27N LONG. : 139 27E ELEV. : 214 FT  
MONTH : AUG  
HOUR : 2100 LST

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

CEILING	VISIBILITY (STATUTE MILES)																		
	>=10	>=6	>=5	>=4	>=3	>=2	1/2	>=1	1/2	>=1	1/4	>=1	>=3/4	>=5/8	>=1/2	>=5/16	>=1/4	>=0	
UNLIMIT	29.2	39.4	45.1	48.0	51.6	53.2	54.2	54.7	54.8	55.1	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	
>=20000	29.9	40.6	46.6	49.7	53.5	55.2	56.1	56.7	56.8	57.0	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	
>=18000	29.9	40.6	46.6	49.7	53.5	55.2	56.1	56.7	56.8	57.0	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	
>=16000	30.2	41.1	47.2	50.2	54.0	55.7	56.7	57.2	57.3	57.6	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	
>=14000	30.6	41.6	48.0	51.1	54.9	56.7	57.6	58.1	58.2	58.5	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	
>=12000	31.1	43.0	49.5	52.8	56.8	58.6	59.8	60.5	60.6	60.9	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	
>=10000	32.1	44.8	51.8	55.3	59.6	61.7	63.1	63.8	63.9	64.2	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	
>=9000	32.5	45.6	52.6	56.1	60.5	62.6	64.0	64.7	64.8	65.1	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	
>=8000	33.2	46.9	54.2	58.1	63.0	65.2	67.2	68.1	68.2	68.5	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	
>=7000	33.6	47.7	55.1	59.0	64.2	66.4	68.5	69.4	69.6	69.8	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	
>=6000	34.0	48.2	55.6	59.9	65.1	67.5	69.6	70.5	70.6	70.9	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	
>=5000	34.1	48.9	56.8	61.4	66.5	69.0	71.3	72.2	72.3	72.6	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	
>=4500	34.3	49.3	57.3	61.9	67.2	69.8	72.1	73.0	73.1	73.4	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	
>=4000	34.4	50.2	58.4	63.2	68.6	71.4	73.8	74.7	74.8	75.1	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	
>=3500	34.8	51.1	59.6	64.4	70.0	72.9	75.4	76.4	76.5	76.8	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	
>=3000	35.3	52.4	62.1	67.2	73.4	76.4	79.1	80.4	80.5	80.8	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	
>=2500	35.7	53.8	64.0	69.8	76.3	79.4	82.2	83.8	83.9	84.2	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	
>=2000	36.1	55.6	66.0	72.2	78.9	82.6	85.9	87.5	87.6	87.9	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	
>=1800	36.1	55.6	66.1	72.6	79.6	83.3	86.6	88.1	88.3	88.5	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	
>=1500	36.4	56.5	67.5	73.9	81.4	85.2	88.5	90.3	90.4	90.6	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	
>=1200	36.5	57.0	68.4	75.0	82.6	86.6	90.0	91.7	91.8	92.4	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	
>=1000	36.5	57.3	68.8	75.4	83.0	87.1	91.0	92.8	92.9	93.5	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	
>=900	36.5	57.8	69.4	76.0	83.7	87.7	91.7	93.4	93.5	94.2	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	
>=800	36.5	58.0	69.8	76.5	84.3	88.4	92.4	94.2	94.3	95.0	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	
>=700	36.6	58.4	70.2	76.9	84.8	88.9	92.9	94.7	94.9	95.5	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	
>=600	36.6	58.6	70.9	77.6	85.6	89.9	93.9	95.8	95.9	96.8	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	
>=500	36.8	58.9	71.1	77.9	86.0	90.4	94.5	96.3	96.6	97.6	98.3	98.3	98.3	98.3	98.4	98.4	98.4	98.4	
>=400	36.8	58.9	71.1	77.9	86.0	90.4	94.7	96.7	97.0	98.3	99.3	99.3	99.3	99.3	99.5	99.5	99.5	99.5	
>=300	36.8	58.9	71.1	77.9	86.0	90.4	94.7	97.0	97.2	98.7	99.7	99.7	99.7	99.7	100.0	100.0	100.0	100.0	
>=200	36.8	58.9	71.1	77.9	86.0	90.4	94.7	97.0	97.2	98.7	99.7	99.7	99.7	99.7	100.0	100.0	100.0	100.0	
>=100	36.8	58.9	71.1	77.9	86.0	90.4	94.7	97.0	97.2	98.7	99.7	99.7	99.7	99.7	100.0	100.0	100.0	100.0	
>=0	36.8	58.9	71.1	77.9	86.0	90.4	94.7	97.0	97.2	98.7	99.7	99.7	99.7	99.7	100.0	100.0	100.0	100.0	

TOTAL NO. OF OBS : 759

## 2 - CEILING VS VISIBILITY

043319 : ATSUGI, JAPAN  
 PERIOD OF RECORD : 1951-1987  
 CLASS : ALL WEATHER  
 CONDITION : NONE SPECIFIED

LAT. : 35 27N LONG. : 139 27E ELEV. : 214 FT  
 MONTH : AUG  
 HOUR : ALL

PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)

CEILING	VISIBILITY (STATUTE MILES)														
	>=10	>=6	>=5	>=4	>=3	>=2 1/2	>=2	>=1 1/2	>=1	>=3/4	>=5/8	>=1/2	>=5/16	>=1/4	>=0
UNLIMIT	23.5	32.4	36.3	39.8	44.5	46.0	47.5	48.4	48.6	49.0	49.2	49.3	49.4	49.4	49.5
>=20000	24.2	34.0	38.2	42.1	47.0	48.5	50.1	51.0	51.2	51.6	51.9	52.0	52.1	52.1	52.2
>=18000	24.3	34.1	38.4	42.3	47.2	48.7	50.3	51.2	51.4	51.9	52.1	52.2	52.3	52.3	52.4
>=16000	24.5	34.4	38.7	42.6	47.6	49.1	50.7	51.6	51.8	52.3	52.5	52.6	52.7	52.8	52.9
>=14000	24.8	35.2	39.6	43.6	48.7	50.2	51.8	52.8	53.0	53.5	53.8	53.9	53.9	54.0	54.1
>=12000	25.6	36.9	41.6	45.8	51.0	52.8	54.5	55.4	55.7	56.2	56.5	56.6	56.6	56.7	56.8
>=10000	26.6	38.8	43.7	48.1	53.6	55.5	57.4	58.4	58.6	59.2	59.6	59.7	59.8	59.8	59.9
>= 9000	26.9	39.2	44.2	48.7	54.2	56.1	58.0	59.0	59.3	59.9	60.2	60.3	60.4	60.5	60.6
>= 8000	27.4	40.3	45.5	50.3	56.2	58.3	60.5	61.6	61.9	62.6	63.0	63.2	63.2	63.2	63.3
>= 7000	27.7	41.1	46.5	51.4	57.4	59.6	61.9	63.0	63.3	63.9	64.4	64.5	64.5	64.6	64.7
>= 6000	27.9	41.5	47.1	52.2	58.2	60.4	62.8	63.9	64.1	64.8	65.2	65.3	65.4	65.4	65.6
>= 5000	28.2	42.3	48.0	53.3	59.6	62.0	64.5	65.7	65.9	66.6	67.0	67.1	67.2	67.3	67.4
>= 4500	28.4	42.9	48.8	54.2	60.7	63.1	65.6	66.8	67.1	67.7	68.1	68.2	68.3	68.4	68.5
>= 4000	28.7	43.9	50.0	55.6	62.3	65.0	67.6	68.8	69.1	69.8	70.2	70.3	70.4	70.5	70.6
>= 3500	29.0	44.8	51.1	56.9	63.7	66.4	69.1	70.5	70.8	71.5	71.9	72.0	72.2	72.2	72.4
>= 3000	29.6	46.3	53.1	59.1	66.6	69.5	72.6	74.1	74.5	75.2	75.7	75.8	75.9	76.0	76.1
>= 2500	30.2	47.8	55.2	61.6	69.6	72.7	75.9	77.6	78.0	78.8	79.3	79.4	79.5	79.6	79.7
>= 2000	30.7	49.4	57.0	63.8	72.3	75.8	79.3	81.2	81.6	82.4	83.0	83.0	83.2	83.3	83.4
>= 1800	30.8	49.7	57.4	64.2	72.9	76.4	80.0	81.9	82.3	83.2	83.7	83.8	84.0	84.1	84.2
>= 1500	30.9	50.6	58.7	65.9	75.0	78.9	82.9	84.9	85.4	86.4	87.0	87.1	87.2	87.3	87.5
>= 1200	31.1	51.4	59.8	67.2	76.6	80.7	85.0	87.3	87.8	88.9	89.6	89.7	89.9	89.9	90.1
>= 1000	31.1	51.8	60.4	68.0	77.5	82.0	86.6	89.1	89.6	90.8	91.6	91.7	91.8	91.9	92.1
>= 900	31.2	52.0	60.6	68.3	78.0	82.5	87.3	89.8	90.3	91.6	92.3	92.5	92.6	92.7	92.9
>= 800	31.2	52.3	61.0	68.7	78.6	83.3	88.3	90.8	91.4	92.8	93.6	93.7	94.0	94.0	94.2
>= 700	31.2	52.5	61.3	69.1	79.1	83.9	89.0	91.7	92.3	93.7	94.6	94.7	94.9	95.0	95.1
>= 600	31.3	52.6	61.6	69.5	79.7	84.5	89.8	92.7	93.3	95.0	96.1	96.3	96.5	96.6	96.7
>= 500	31.3	52.8	61.8	69.8	80.2	85.1	90.5	93.5	94.3	96.2	97.4	97.5	97.8	97.9	98.0
>= 400	31.3	52.8	61.9	69.9	80.3	85.3	90.9	94.0	94.8	96.8	98.2	98.3	98.6	98.7	98.9
>= 300	31.3	52.8	61.9	69.9	80.4	85.3	91.0	94.2	95.0	97.1	98.5	98.7	99.0	99.1	99.3
>= 200	31.3	52.8	61.9	69.9	80.4	85.3	91.0	94.2	95.0	97.1	98.6	98.7	99.1	99.2	99.6
>= 100	31.3	52.8	61.9	69.9	80.4	85.3	91.0	94.2	95.0	97.1	98.6	98.7	99.1	99.2	99.8
>= 0	31.3	52.8	61.9	69.9	80.4	85.3	91.0	94.2	95.0	97.1	98.6	98.8	99.1	99.5	100.0

TOTAL NO. OF OBS : 5869

# 1 - SURFACE WINDS

043319 : ATSUGI, JAPAN LAT. : 35 27N LONG. : 139 27E ELEV. : 214 FT  
 PERIOD OF RECORD : 1951-1987 MONTH : SEP  
 CLASS : ALL WEATHER HOUR : 0000 LST  
 CONDITION : NONE SPECIFIED

## PERCENTAGE FREQUENCY OF WIND DIRECTION VS SPEED (FROM HOURLY OBSERVATIONS)

16 PT.		SPEED (KNOTS)																TOTAL	MEAN
DIR.		1 - 3	4 - 6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	>=56	%	WIND	SPEED				
N	7.3	12.7	8.0	2.9	.1	.1	.0	.0	.1	.0	.0	.0	.0	31.2	6.0				
NNE	2.0	2.9	1.5	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	6.7	5.1				
NE	1.0	1.4	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.6	4.1				
ENE	.4	.4	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.1	4.3				
E	.5	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.0	3.4				
ESE	.2	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.3	2.7				
SE	.5	.2	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.9	3.6				
SSE	.5	1.0	.2	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.1	5.7				
S	1.6	2.0	1.7	1.5	.4	.0	.0	.0	.1	.0	.0	.0	.0	7.4	8.3				
SSW	.9	1.6	1.8	.8	.3	.3	.1	.0	.0	.0	.0	.0	.0	5.5	8.1				
SW	.3	.9	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.6	5.1				
WSW	.1	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.3	4.3				
W	.8	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.0	2.6				
WNW	1.6	1.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.9	3.4				
NW	1.6	1.6	.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	4.0	4.3				
NNW	3.9	7.4	4.8	.9	.2	.1	.0	.0	.0	.0	.0	.0	.0	17.2	5.9				
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0				
CLM	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	14.2	.0				
ALL	23.3	34.3	19.8	6.7	1.1	.3	.0	.0	.2	.0	.0	.0	.0	100.0	5.1				

TOTAL NO. OF OBS : 923

NOTES :  
 \* = PERCENT < .05

# 1 - SURFACE WINDS

043319 : ATSUGI, JAPAN  
 PERIOD OF RECORD : 1951-1987  
 CLASS : ALL WEATHER  
 CONDITION : NONE SPECIFIED

LAT. : 35 27N LONG. : 139 27E ELEV. : 214 FT  
 MONTH : SEP  
 HOUR : 0300 LST

## PERCENTAGE FREQUENCY OF WIND DIRECTION VS SPEED (FROM HOURLY OBSERVATIONS)

16 PT. DIR.	SPEED (KNOTS)																TOTAL %	MEAN WIND SPEED
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	>56							
N	8.5	16.1	10.4	2.2	.1	.1	.0	.0	.0	.0	.0	.0	37.4	5.8				
NNE	2.2	3.9	1.0	.7	.0	.0	.0	.0	.0	.0	.0	.0	7.7	5.1				
NE	1.3	1.5	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.9	3.7				
ENE	.4	.7	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.2	4.3				
E	.2	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.5	4.0				
ESE	.1	.2	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.5	6.4				
SE	.2	.1	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0	.4	6.3				
SSE	.5	.5	.7	.0	.1	.0	.0	.0	.0	.0	.0	.0	1.8	6.1				
S	1.0	1.5	1.2	1.4	.0	.1	.1	.0	.0	.0	.0	.0	5.3	8.4				
SSW	.4	.9	.8	.9	.4	.0	.1	.0	.0	.0	.0	.0	3.5	9.8				
SW	.4	.1	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.0	5.6				
WSW	.4	.3	.4	.0	.1	.0	.0	.0	.0	.0	.0	.0	1.3	5.9				
W	.8	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.9	2.0				
WNW	.7	.5	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.3	3.9				
NW	1.3	1.1	.5	.1	.0	.0	.0	.0	.0	.0	.0	.0	3.0	4.5				
NNW	4.8	6.7	5.2	1.0	.2	.0	.0	.0	.0	.0	.0	.0	17.9	5.7				
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0				
CLW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	13.2	.0				
ALL	23.2	34.6	21.1	6.3	1.1	.2	.2	.0	.0	.0	.0	.0	100.0	5.1				

TOTAL NO. OF OBS : 921

NOTES :  
 # = PERCENT < .05



# 1 - SURFACE WINDS

043319 : ATSUGI, JAPAN  
 PERIOD OF RECORD : 1951-1987  
 CLASS : ALL WEATHER  
 CONDITION : NONE SPECIFIED

LAT. : 35 27N LONG. : 139 27E ELEV. : 214 FT  
 MONTH : SEP  
 HOUR : 0600 LST

## PERCENTAGE FREQUENCY OF WIND DIRECTION VS SPEED (FROM HOURLY OBSERVATIONS)

DIR.	SPEED (KNOTS)																TOTAL >=56	MEAN WIND SPEED
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55								
N	9.0	18.0	12.1	2.7	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	42.1	6.0
NNE	3.3	4.5	2.3	.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	10.6	5.1
NE	.7	1.2	.2	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.1	5.0
ENE	.6	.1	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.9	4.3
E	.2	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.4	4.0
ESE	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	2.0
SE	.1	.2	.2	.0	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.6	11.8
SSE	.2	.6	.3	.2	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.4	7.6
S	.7	.7	1.1	.7	.2	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.4	8.8
SSW	.3	.8	1.3	.6	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.1	8.8
SW	.1	.2	.4	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.9	8.4
WSW	.2	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.4	3.8
W	.3	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.5	2.4
WNW	.6	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.9	2.6
NW	1.9	1.9	.4	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	4.2	4.1
NNW	4.5	6.7	4.9	.8	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	17.1	5.7
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CLW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	11.2	.0
ALL	22.7	35.7	23.2	6.0	.9	.2	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	100.0	5.3

TOTAL NO. OF OBS : 1025

NOTES :  
 \* = PERCENT < .05

# 1 - SURFACE WINDS

043319 : ATSUGI, JAPAN  
 PERIOD OF RECORD : 1951-1987  
 CLASS : ALL WEATHER  
 CONDITION : NONE SPECIFIED

LAT. : 35 27N LONG. : 139 27E ELEV. : 214 FT  
 MONTH : SEP  
 HOUR : 0900 LST

## PERCENTAGE FREQUENCY OF WIND DIRECTION VS SPEED (FROM HOURLY OBSERVATIONS)

SPEED (KNOTS)															TOTAL	MEAN
															%	WIND
															>=56	SPEED
DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55						
N	3.2	11.0	14.2	5.1	.6	.0	.0	.0	.0	.0	.0	34.1	7.6			
NNE	1.9	8.0	7.3	1.9	.0	.0	.0	.0	.0	.0	.0	19.1	6.8			
NE	1.1	2.4	2.3	.3	.0	.0	.0	.0	.0	.0	.0	6.0	5.9			
ENE	.9	.7	.4	.2	.0	.0	.0	.0	.0	.0	.0	2.2	4.8			
E	.4	.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.2	3.8			
ESE	.6	.2	.1	.0	.0	.0	.0	.0	.0	.0	.0	.9	3.0			
SE	.5	.2	.2	.0	.0	.0	.0	.0	.0	.0	.0	.9	4.3			
SSE	.8	.3	.4	.1	.0	.2	.0	.0	.0	.0	.0	1.8	7.5			
S	1.6	1.0	2.1	1.0	1.1	.3	.0	.0	.0	.0	.0	7.0	9.5			
SSW	.6	.4	1.6	1.9	1.0	.0	.0	.0	.0	.0	.0	5.4	11.1			
SW	.4	.4	.4	.6	.0	.0	.0	.0	.0	.0	.0	1.8	7.2			
WSW	.2	.1	.0	.2	.0	.0	.0	.0	.0	.0	.0	.5	7.4			
W	.3	.2	.1	.0	.0	.0	.0	.0	.0	.0	.0	.6	3.8			
WNW	.2	.1	.3	.0	.0	.0	.0	.0	.0	.0	.0	.6	5.8			
NW	.6	.7	.4	.0	.0	.0	.0	.0	.0	.0	.0	1.7	5.1			
NNW	1.8	2.3	3.9	2.0	.2	.0	.0	.0	.0	.0	.0	10.2	7.8			
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0			
CLM	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	6.2	.0			
ALL	14.9	28.6	33.7	13.2	2.9	.5	.0	.0	.0	.0	.0	100.0	7.0			

TOTAL NO. OF OBS : 1013

NOTES :  
 \* = PERCENT < .05

# 1 - SURFACE WINDS

043319 : ATSUGI, JAPAN  
 PERIOD OF RECORD : 1951-1987  
 CLASS : ALL WEATHER  
 CONDITION : NONE SPECIFIED

LAT. : 35 27N LONG. : 139 27E ELEV. : 214 FT  
 MONTH : SEP  
 HOUR : 1200 LST

## PERCENTAGE FREQUENCY OF WIND DIRECTION VS SPEED (FROM HOURLY OBSERVATIONS)

16 PT.		1	1 - 3	4	6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	>56	TOTAL	MEAN
DIR.															%	WIND SPEED
N	2.2	6.1	9.5	4.7	.9	.2	.0	.0	.0	.0	.0	.0	.0	.0	23.6	8.4
NNE	1.1	4.0	5.1	2.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	12.2	7.5
NE	1.9	4.8	2.8	.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	10.2	6.0
ENE	.5	2.3	1.2	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	4.2	6.1
E	1.0	2.2	.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	4.0	4.9
ESE	.8	1.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.2	4.1
SE	1.2	.7	.2	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.2	4.0
SSE	.5	1.1	1.3	.6	.2	.1	.1	.0	.0	.0	.0	.0	.0	.0	3.9	8.8
S	1.1	3.0	5.2	4.4	.9	.2	.2	.0	.0	.0	.0	.0	.0	.0	14.9	9.9
SSW	.2	1.4	2.6	2.1	1.6	.4	.0	.0	.0	.0	.0	.0	.0	.0	8.2	11.7
SW	.5	1.1	.6	.4	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.8	7.5
WSW	.0	.3	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.5	7.6
W	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
WNW	.1	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	5.0
NW	.2	.2	.5	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.0	6.7
NNW	.3	1.7	2.8	2.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	6.8	8.8
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CLM	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.3	.0
ALL	11.5	30.1	32.6	17.4	3.9	.9	.3	.0	.0	.0	.0	.0	.0	.0	100.0	7.8

TOTAL NO. OF OBS : 1009

NOTES :  
 # = PERCENT < .05

# 1 - SURFACE WINDS

043319 : ATSUGI, JAPAN LAT. : 35 27N LONG. : 139 27E ELEV. : 214 FT  
 PERIOD OF RECORD : 1951-1987 MONTH : SEP  
 CLASS : ALL WEATHER HOUR : 1500 LST  
 CONDITION : NONE SPECIFIED

## PERCENTAGE FREQUENCY OF WIND DIRECTION VS SPEED (FROM HOURLY OBSERVATIONS)

16 PT. DIR.		1	-	3	4	-	6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	>=56	TOTAL %	MEAN WIND SPEED	
		SPEED (KNOTS)																	
N		.6		4.7		7.8		3.6		.4		.1		.0		.0	17.2	8.6	
NNE		.6		2.0		2.6		1.1		.2		.1		.0		.0	6.6	8.0	
NE		.6		1.8		2.3		.9		.0		.0		.0		.0	5.6	7.3	
ENE		.5		2.3		1.7		.3		.0		.0		.0		.0	4.8	6.4	
E	1.0			2.3		2.9		.6		.0		.0		.0		.0	6.8	6.6	
ESE		.4		2.1		2.4		.1		.0		.0		.0		.0	5.1	6.5	
SE		.3		2.2		.8		.0		.1		.0		.0		.0	3.4	5.9	
SSE		.6		1.5		.8		1.3		.1		.0		.0		.0	4.3	8.4	
S		.8		3.5		9.4		6.2		1.0		.1		.0		.0	21.1	9.7	
SSW		.7		2.5		4.8		3.1		1.0		.1		.0		.0	12.2	9.8	
SW		.3		1.0		1.2		.3		.1		.1		.0		.0	2.9	8.3	
WSW		.2		.4		.2		.0		.0		.0		.0		.0	.8	5.8	
W		.0		.0		.0		.0		.0		.0		.0		.0	.0	.0	
WNW		.3		.2		.1		.0		.0		.0		.0		.0	.6	4.5	
NW		.3		.0		.1		.1		.0		.1		.0		.0	.6	9.5	
NNW		.0		1.7		2.4		1.3		.0		.0		.0		.0	5.4	8.8	
VAR		.0		.0		.0		.0		.0		.0		.0		.0	.0	.0	
CLM		.0		.0		.0		.0		.0		.0		.0		.0	2.6	.0	
ALL	7.0	28.4	39.5	18.8	2.8	.5	.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0	8.2	

TOTAL NO. OF OBS : 1029

NOTES :  
 \* = PERCENT < .05

# 1 - SURFACE WINDS

043319 : ATSUGI, JAPAN  
 PERIOD OF RECORD : 1951-1987  
 CLASS : ALL WEATHER  
 CONDITION : NONE SPECIFIED

LAT. : 35 27N LONG. : 139 27E ELEV. : 214 FT  
 MONTH : SEP  
 HOUR : 1800 LST

## PERCENTAGE FREQUENCY OF WIND DIRECTION VS SPEED (FROM HOURLY OBSERVATIONS)

		SPEED (KNOTS)															
16 PT.	1 - 3	4 - 6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	>=56	TOTAL	MEAN				
DIR.												%	WIND				
													SPEED				
N	1.2	5.7	4.8	1.9	.2	.1	.1	.0	.0	.0	.0	14.0	7.5				
NNE	2.0	2.9	2.2	.7	.0	.0	.0	.0	.0	.0	.0	7.8	6.0				
NE	1.4	1.8	1.4	.5	.0	.0	.0	.0	.0	.0	.0	5.1	6.0				
ENE	.9	1.7	1.4	.1	.0	.0	.0	.0	.0	.0	.0	4.1	5.5				
E	1.4	2.6	2.0	.2	.0	.0	.0	.0	.0	.0	.0	6.2	5.6				
ESE	1.2	1.3	.4	.0	.0	.0	.0	.0	.0	.0	.0	2.8	4.2				
SE	1.1	1.2	.3	.2	.0	.0	.0	.0	.0	.0	.0	2.7	4.6				
SSE	1.0	1.9	.8	.4	.1	.1	.0	.0	.0	.0	.0	4.3	6.5				
S	2.9	9.1	5.9	2.3	.1	.1	.1	.0	.0	.0	.0	20.5	6.8				
SSW	2.5	3.9	2.8	2.5	.6	.0	.0	.0	.0	.0	.0	12.3	7.6				
SW	.9	1.9	.8	.3	.0	.0	.0	.0	.0	.0	.0	3.9	5.6				
WSW	.7	.4	.1	.0	.0	.0	.0	.0	.0	.0	.0	1.2	3.7				
W	.3	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.4	2.0				
WNW	.6	.3	.1	.0	.0	.0	.0	.0	.0	.0	.0	1.0	3.3				
NW	.3	.4	.2	.0	.0	.0	.0	.0	.0	.0	.0	.9	4.8				
NNW	.8	2.1	2.2	1.2	.0	.1	.0	.0	.0	.0	.0	6.4	7.5				
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0				
CLM	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	6.7	.0				
ALL	18.8	37.3	25.4	10.2	1.0	.4	.2	.0	.0	.0	.0	100.0	6.1				

TOTAL NO. OF OBS : 1035

NOTES :  
 \* = PERCENT < .05

# 1 - SURFACE WINDS

043319 : ATSUGI, JAPAN LAT. : 35 27N LONG. : 139 27E ELEV. : 214 FT  
 PERIOD OF RECORD : 1951-1987 MONTH : SEP  
 CLASS : ALL WEATHER HOUR : 2100 LST  
 CONDITION : NONE SPECIFIED

## PERCENTAGE FREQUENCY OF WIND DIRECTION VS SPEED (FROM HOURLY OBSERVATIONS)

		SPEED (KNOTS)																TOTAL %		MEAN WIND SPEED	
		1 - 3	4 - 6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	>56									
DIR.																					
N	4.2	8.3	6.5	1.8	.1	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	21.1	6.4			
NNE	1.1	3.7	2.2	.5	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	7.6	6.1			
NE	1.7	1.7	1.4	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	5.0	5.1			
ENE	.7	.7	.3	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.8	4.6			
E	1.8	1.3	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.1	3.6			
ESE	1.1	1.2	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.3	3.7			
SE	1.2	.2	.0	.0	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.6	5.4			
SSE	.6	1.3	.4	.1	.2	.0	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0	2.6	7.3			
S	2.3	4.3	2.6	1.7	.2	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	11.3	6.9			
SSW	.9	1.7	2.7	2.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	7.5	8.7			
SW	.8	1.1	.7	.3	.0	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0	2.9	6.9			
WSW	.6	.3	.3	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.3	4.6			
W	.9	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.1	2.7			
WNW	.3	.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.8	3.5			
NW	1.6	1.6	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.4	3.9			
NNW	2.2	4.9	3.5	1.1	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	11.9	6.3			
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0			
CLM	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	14.8	.0			
ALL	21.7	32.6	21.2	7.9	1.0	.5	.1	.1	.1	.0	.0	.0	.0	.0	.0	.0	100.0	5.2			

TOTAL NO. OF OBS : 1026

NOTES :  
 \* = PERCENT < .05

# 1 - SURFACE WINDS

043319 : ATSUGI, JAPAN  
 PERIOD OF RECORD : 1951-1987  
 CLASS : ALL WEATHER  
 CONDITION : NONE SPECIFIED

LAT. : 35 27N LONG. : 139 27E ELEV. : 214 FT  
 MONTH : SEP  
 HOUR : ALL

## PERCENTAGE FREQUENCY OF WIND DIRECTION VS SPEED (FROM HOURLY OBSERVATIONS)

SPEED (KNOTS)													TOTAL Σ	MEAN WIND SPEED
16 PT. DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	>=56			
N	4.4	10.2	9.2	3.1	.3	.1	.0*	.0*	.0	.0	.0	.0	27.4	6.8
NNE	1.8	4.0	3.1	1.0	.0*	.0*	.0	.0	.0	.0	.0	.0	9.8	6.4
NE	1.2	2.1	1.4	.4	.0	.0	.0	.0	.0	.0	.0	.0	5.0	5.7
ENE	.6	1.1	.7	.1	.0	.0	.0	.0	.0	.0	.0	.0	2.5	5.5
E	.8	1.3	.8	.1	.0	.0	.0	.0	.0	.0	.0	.0	3.0	5.3
ESE	.6	.8	.4	.0*	.0	.0	.0	.0	.0	.0	.0	.0	1.8	4.9
SE	.6	.6	.2	.0*	.0*	.0*	.0	.0*	.0	.0	.0	.0	1.6	5.3
SSE	.6	1.0	.6	.4	.1	.1	.0*	.0	.0*	.0	.0	.0	2.8	7.4
S	1.5	3.2	3.7	2.4	.5	.1	.1	.0*	.0	.0	.0	.0	11.5	8.5
SSW	.8	1.7	2.3	1.8	.7	.1	.0*	.0	.0	.0	.0	.0	7.3	9.3
SW	.5	.8	.6	.3	.0*	.0*	.0	.0*	.0	.0	.0	.0	2.2	6.9
WSW	.3	.3	.1	.1	.0*	.0	.0	.0	.0	.0	.0	.0	.8	5.2
W	.4	.1	.0*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.5	2.6
WNW	.5	.4	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.0	3.7
NW	1.0	.9	.4	.1	.0	.0	.0*	.0	.0	.0	.0	.0	2.3	4.6
NNW	2.2	4.1	3.7	1.3	.1	.0*	.0	.0	.0	.0	.0	.0	11.5	6.6
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CLM	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
ALL	17.8	32.7	27.2	10.9	1.8	.4	.2	.1	.0*	.0	.0	.0	100.0	6.2

TOTAL NO. OF OBS : 7981

NOTES :  
 \* = PERCENT < .05

043319 : AITSUGI, JAPAN  
 PERIOD OF RECORD : 1951-1987  
 CLASS : ALL WEATHER  
 CONDITION : NONE SPECIFIED

LAT. : 35 27N LONG. : 139 27E ELEV. : 214 FT  
 MONTH : SEP  
 HOUR : 0000 LST

PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)

CEILING	VISIBILITY (STATUTE MILES)																		
	>=10	>=6	>=5	>=4	>=3	>=2	1/2	>=1	1/4	>=1	>=3/4	>=5/8	>=1/2	>=5/16	>=1/4	>=0			
UNLIMIT	18.4	27.4	30.8	33.6	36.6	37.4	38.4	39.3	39.5	39.8	39.9	39.9	40.1	40.1	40.1	40.2			
>=20000	18.5	27.8	31.5	34.5	37.5	38.4	39.5	40.4	40.5	40.8	41.0	41.0	41.1	41.1	41.1	41.3			
>=18000	18.5	27.8	31.5	34.5	37.5	38.4	39.5	40.4	40.5	40.8	41.0	41.0	41.1	41.1	41.1	41.3			
>=16000	18.7	28.1	32.0	35.0	38.0	38.9	39.9	40.8	41.0	41.3	41.4	41.4	41.6	41.6	41.6	41.7			
>=14000	19.3	29.1	33.0	36.0	39.3	40.2	41.3	42.2	42.3	42.6	42.8	42.8	42.9	42.9	42.9	43.0			
>=12000	20.6	31.8	36.0	39.2	42.5	43.3	44.5	45.6	45.7	46.0	46.2	46.2	46.3	46.3	46.3	46.5			
>=10000	21.8	34.8	39.2	42.3	46.0	47.2	48.7	49.9	50.1	50.5	50.7	50.7	50.8	50.8	50.8	51.0			
>= 9000	22.0	36.0	40.4	43.6	47.4	48.6	50.2	51.4	51.6	52.2	52.3	52.3	52.5	52.5	52.5	52.6			
>= 8000	23.3	38.1	43.3	46.6	50.8	52.0	53.8	55.0	55.3	55.9	56.2	56.2	56.4	56.4	56.4	56.5			
>= 7000	23.8	39.8	45.0	48.4	52.6	54.0	55.9	57.1	57.4	58.0	58.3	58.3	58.4	58.4	58.4	58.6			
>= 6000	23.9	40.5	46.3	49.8	54.0	55.3	57.4	58.6	58.9	59.5	59.8	59.8	59.9	59.9	59.9	60.1			
>= 5000	25.0	43.8	50.8	54.3	59.2	60.5	62.6	63.8	64.1	64.7	65.0	65.0	65.2	65.2	65.2	65.3			
>= 4500	26.0	45.7	53.2	56.8	61.9	63.2	65.5	66.7	67.0	67.6	67.9	67.9	68.0	68.0	68.0	68.2			
>= 4000	26.6	47.5	55.5	59.5	64.9	66.4	68.8	70.1	70.4	71.0	71.3	71.3	71.6	71.6	71.6	71.7			
>= 3500	26.9	48.6	57.1	61.6	67.3	68.9	71.4	72.9	73.2	73.8	74.1	74.1	74.4	74.4	74.4	74.6			
>= 3000	27.1	49.3	58.1	62.8	68.5	70.3	72.8	74.3	74.6	75.3	75.6	75.6	75.9	75.9	75.9	76.1			
>= 2500	27.8	50.7	59.6	64.4	70.1	72.2	75.2	76.7	77.0	77.7	78.0	78.0	78.3	78.3	78.3	78.5			
>= 2000	28.4	52.3	62.0	67.1	73.1	75.2	78.5	80.0	80.3	81.0	81.3	81.3	81.6	81.6	81.6	81.8			
>= 1800	28.6	52.9	62.9	68.0	74.3	76.5	79.8	81.5	81.8	82.7	83.0	83.0	83.3	83.3	83.3	83.4			
>= 1500	28.8	54.1	64.0	70.4	77.1	79.8	83.4	85.2	85.5	86.5	86.8	86.8	87.1	87.1	87.1	87.3			
>= 1200	29.0	55.0	65.6	71.6	78.5	81.3	85.2	87.1	87.4	88.6	88.9	88.9	89.2	89.2	89.2	89.4			
>= 1000	29.1	55.6	66.2	72.5	79.7	82.5	86.7	88.6	88.9	90.1	90.4	90.4	90.9	90.9	90.9	91.0			
>= 900	29.1	55.6	66.2	72.5	79.8	83.0	87.1	89.4	89.7	90.9	91.2	91.2	91.6	91.6	91.6	91.8			
>= 800	29.1	55.8	66.4	73.1	81.0	84.5	88.9	91.2	91.5	92.8	93.4	93.4	93.9	93.9	93.9	94.0			
>= 700	29.1	55.8	66.4	73.1	81.2	84.8	89.4	91.6	91.9	93.9	94.5	94.5	94.9	94.9	94.9	95.1			
>= 600	29.3	55.9	66.5	73.2	81.5	85.2	90.0	92.2	92.5	94.6	95.2	95.2	95.7	95.7	95.7	95.8			
>= 500	29.3	55.9	66.7	73.5	81.9	85.9	91.3	94.2	94.5	96.9	97.6	97.6	98.1	98.1	98.1	98.2			
>= 400	29.3	55.9	66.7	73.5	81.9	85.9	91.5	94.3	94.8	97.3	98.4	98.4	98.8	98.8	98.8	99.0			
>= 300	29.3	55.9	66.7	73.5	81.9	86.1	91.8	94.6	95.1	97.6	98.7	98.7	99.1	99.1	99.1	99.3			
>= 200	29.3	55.9	66.7	73.5	81.9	86.1	92.1	94.9	95.4	97.9	99.0	99.0	99.4	99.4	99.4	99.6			
>= 100	29.3	55.9	66.7	73.5	81.9	86.1	92.1	94.9	95.4	97.9	99.0	99.0	99.6	99.6	99.6	99.7			
>= 0	29.3	55.9	66.7	73.5	81.9	86.1	92.1	94.9	95.4	98.1	99.1	99.1	99.7	99.7	99.7	100.0			

TOTAL NO. OF OBS : 669



## 2 - CEILING VS VISIBILITY

043319 : ATSUGI, JAPAN  
 PERIOD OF RECORD : 1951-1987  
 CLASS : ALL WEATHER  
 CONDITION : NONE SPECIFIED

LAT. : 35 27N LONG. : 139 27E ELEV. : 214 FT  
 MONTH : SEP  
 HOUR : 0300 LST

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

CEILING	VISIBILITY (STATUTE MILES)																		
	>=10	>=6	>=5	>=4	>=3	>=2	1/2	>=1	1/2	>=1	1/4	>=1	>=3/4	>=5/8	>=1/2	>=5/16	>=1/4	>=0	
UNLIMIT	18.9	26.2	29.2	31.9	35.0	36.4	37.1	37.7	38.0	38.2	38.2	38.2	38.2	38.3	38.3	38.3	38.3	38.5	
>=20000	19.0	26.5	29.5	32.2	35.6	37.0	37.7	38.3	38.6	38.8	38.8	38.8	38.8	38.9	38.9	38.9	38.9	39.1	
>=18000	19.2	26.6	29.6	32.3	35.8	37.1	37.9	38.5	38.8	38.9	38.9	38.9	38.9	39.1	39.1	39.1	39.1	39.2	
>=16000	19.2	26.6	29.6	32.3	35.8	37.1	37.9	38.5	38.8	38.9	38.9	38.9	38.9	39.1	39.1	39.1	39.1	39.2	
>=14000	19.6	27.2	30.2	33.1	36.5	37.9	38.6	39.2	39.5	39.7	39.7	39.7	39.7	39.8	39.8	39.8	39.8	40.0	
>=12000	21.1	29.5	32.9	35.8	39.4	41.2	42.1	42.8	43.1	43.3	43.3	43.3	43.3	43.4	43.4	43.4	43.4	43.6	
>=10000	21.4	31.1	35.3	38.5	42.5	44.8	45.8	46.6	47.0	47.3	47.3	47.3	47.3	47.5	47.5	47.5	47.5	47.6	
>= 9000	21.9	31.9	36.2	39.4	43.4	45.7	46.9	47.6	48.1	48.4	48.4	48.4	48.4	48.5	48.5	48.5	48.5	48.7	
>= 8000	23.4	35.0	39.7	43.1	47.2	49.4	50.7	51.5	51.9	52.2	52.4	52.4	52.4	52.5	52.5	52.5	52.5	52.7	
>= 7000	24.1	36.7	41.5	44.9	49.4	51.8	53.1	53.9	54.3	54.6	54.6	54.6	54.8	54.9	54.9	54.9	54.9	55.1	
>= 6000	24.7	37.6	42.5	46.1	50.6	53.1	54.5	55.2	55.7	56.0	56.1	56.1	56.1	56.3	56.3	56.3	56.3	56.4	
>= 5000	26.6	41.5	46.9	50.9	55.7	58.2	59.6	60.3	60.8	61.1	61.2	61.2	61.2	61.4	61.4	61.4	61.4	61.5	
>= 4500	27.2	42.8	48.2	52.4	57.3	59.9	61.2	62.0	62.4	62.7	62.9	62.9	62.9	63.0	63.0	63.0	63.0	63.2	
>= 4000	27.7	44.3	50.0	54.3	59.4	62.0	63.5	64.4	64.8	65.1	65.3	65.3	65.3	65.4	65.4	65.4	65.4	65.6	
>= 3500	28.3	46.1	52.1	56.6	61.7	64.2	65.7	66.6	67.1	67.4	67.4	67.4	67.4	67.7	67.7	67.7	67.7	67.8	
>= 3000	29.3	47.6	53.7	58.4	63.8	66.5	68.6	69.5	69.9	70.2	70.2	70.2	70.4	70.5	70.5	70.5	70.5	70.7	
>= 2500	29.9	49.6	56.3	61.2	66.9	69.8	72.0	73.1	73.7	74.1	74.1	74.1	74.3	74.4	74.4	74.4	74.4	74.6	
>= 2000	30.2	51.2	58.4	64.1	70.1	73.2	75.4	76.6	77.2	77.7	77.7	77.7	78.3	78.4	78.4	78.4	78.4	78.6	
>= 1800	30.2	51.3	59.0	64.8	71.0	74.3	76.5	77.7	78.3	78.7	78.7	78.7	79.3	79.5	79.5	79.5	79.5	79.6	
>= 1500	30.4	52.4	60.2	66.5	73.4	76.6	79.8	81.1	81.7	82.2	82.2	82.2	82.8	83.1	83.1	83.1	83.1	83.2	
>= 1200	30.5	53.5	61.4	67.7	75.0	78.6	82.0	83.7	84.3	84.9	84.9	84.9	85.5	85.8	85.8	85.8	85.8	85.9	
>= 1000	30.5	54.5	62.0	68.6	76.0	79.8	83.2	85.0	85.6	86.2	86.2	86.2	86.8	87.1	87.4	87.4	87.4	87.6	
>= 900	30.5	54.5	62.4	69.0	76.5	80.2	84.4	86.2	86.8	87.7	87.7	87.7	88.3	88.6	88.9	88.9	88.9	89.1	
>= 800	30.5	54.8	62.9	69.6	77.4	81.3	85.9	87.7	88.5	89.5	89.5	89.5	90.1	90.4	90.7	90.7	90.7	90.9	
>= 700	30.5	54.9	63.2	70.2	78.1	82.0	86.7	88.5	89.4	90.6	90.6	90.6	91.3	91.6	91.9	91.9	91.9	92.1	
>= 600	30.5	55.1	63.6	70.7	79.2	83.1	87.9	90.1	91.0	92.4	92.4	92.4	93.3	93.6	93.9	93.9	93.9	94.0	
>= 500	30.5	55.4	63.9	71.0	80.1	84.3	89.4	91.6	92.5	93.9	93.9	93.9	94.9	95.2	95.5	95.5	95.7	95.8	
>= 400	30.5	55.5	64.1	71.1	80.2	84.4	90.1	92.7	93.6	95.1	95.1	95.1	96.3	96.6	96.9	97.0	97.2	97.3	
>= 300	30.5	55.7	64.2	71.4	80.7	84.9	91.3	94.0	94.9	96.4	96.4	96.4	97.8	98.1	98.4	98.7	99.0	99.1	
>= 200	30.5	55.7	64.2	71.4	80.7	84.9	91.3	94.0	94.9	96.6	96.6	96.6	97.9	98.2	98.5	98.8	99.1	99.3	
>= 100	30.5	55.7	64.2	71.4	80.7	84.9	91.3	94.0	94.9	96.7	96.7	96.7	98.1	98.4	98.7	99.0	99.3	99.4	
>= 0	30.5	55.7	64.2	71.4	80.7	84.9	91.3	94.0	94.9	96.7	96.7	96.7	98.1	98.4	98.8	99.1	99.7	100.0	

TOTAL NO. OF OBS : 668

## 2 - CEILING VS VISIBILITY

043319 : ATSUGI, JAPAN  
PERIOD OF RECORD : 1951-1987  
CLASS : ALL WEATHER  
CONDITION : NONE SPECIFIED

LAT. : 35 27N LONG. : 139 27E ELEV. : 214 FT  
MONTH : SEP  
HOUR : 0600 LST

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

[illegible]

TOTAL NO. OF OBS : 688

## 2 - CEILING VS VISIBILITY

043319 : ATSUGI, JAPAN  
 PERIOD OF RECORD : 1951-1987  
 CLASS : ALL WEATHER  
 CONDITION : NONE SPECIFIED

LAT. : 35 27N LONG. : 139 27E ELEV. : 214 FT  
 MONTH : SEP  
 HOUR : 0900 LST

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

CEILING	VISIBILITY (STATUTE MILES)									
	>=10	>=6	>=5	>=4	>=3	>=2	1/2	>=1	>=3/4	>=5/8
UNLIMIT	19.1	25.9	29.7	31.7	35.6	36.8	37.5	37.6	37.8	37.9
>=20000	19.7	26.6	30.5	32.9	36.8	38.1	38.8	39.1	39.2	37.9
>=18000	19.7	27.1	31.0	33.3	37.2	38.5	39.2	39.4	39.5	39.2
>=16000	19.7	27.1	31.0	33.3	37.2	38.5	39.2	39.4	39.5	39.7
>=14000	20.5	28.5	32.7	35.3	39.2	40.7	41.5	41.8	42.0	42.0
>=12000	20.8	29.1	33.7	36.6	41.0	42.5	43.6	43.8	44.0	44.0
>=10000	21.3	31.3	36.6	39.9	44.7	46.5	47.6	47.8	47.9	47.9
>= 9000	21.4	32.0	37.5	41.1	46.2	47.9	49.2	49.5	49.6	49.6
>= 8000	22.7	34.3	40.2	44.6	50.4	52.1	53.4	53.8	54.3	54.3
>= 7000	23.4	35.6	41.8	46.2	52.1	54.0	55.3	55.6	56.2	56.2
>= 6000	24.0	36.5	42.7	47.0	53.0	55.1	56.4	56.9	57.3	57.3
>= 5000	25.0	39.4	45.7	50.4	56.9	59.6	60.9	61.2	61.8	61.8
>= 4500	26.0	41.7	48.2	53.0	59.8	62.7	64.0	64.4	64.8	64.8
>= 4000	26.6	43.1	50.1	55.3	62.5	65.7	67.3	67.9	68.3	68.3
>= 3500	27.4	45.2	52.5	57.9	65.4	68.6	70.2	70.6	71.3	71.3
>= 3000	27.8	46.5	54.0	60.1	68.5	72.1	73.7	74.1	74.8	74.8
>= 2500	27.9	47.3	55.3	61.5	70.2	73.8	75.7	76.1	76.8	76.8
>= 2000	28.7	49.5	58.0	64.5	73.7	78.1	80.3	81.2	82.1	82.1
>= 1800	28.8	49.6	58.2	64.7	73.8	78.6	80.9	81.8	82.8	82.8
>= 1500	28.9	50.5	59.0	65.8	75.4	80.3	82.9	83.9	85.2	85.2
>= 1200	28.9	50.8	59.6	66.4	76.4	81.3	84.4	85.5	87.3	87.3
>= 1000	28.9	51.1	60.2	67.0	77.4	82.6	86.0	87.4	89.4	89.4
>= 900	28.9	51.1	60.3	67.3	77.9	83.5	87.0	88.6	91.0	91.0
>= 800	28.9	51.1	60.3	67.7	78.7	84.7	88.6	91.2	93.1	93.1
>= 700	28.9	51.1	60.5	67.9	79.2	85.1	89.3	91.5	94.4	94.4
>= 600	28.9	51.2	60.9	68.5	79.9	86.3	90.9	93.5	96.8	96.8
>= 500	28.9	51.4	61.2	68.7	80.3	87.1	91.9	94.6	98.3	98.3
>= 400	28.9	51.5	61.4	68.9	80.5	87.3	92.2	95.1	99.1	99.1
>= 300	28.9	51.7	61.5	69.0	80.6	87.4	92.3	95.2	99.9	99.9
>= 200	28.9	51.7	61.5	69.0	80.6	87.4	92.5	95.4	100.0	100.0
>= 100	28.9	51.7	61.5	69.0	80.6	87.4	92.5	95.4	100.0	100.0
>= 0	28.9	51.7	61.5	69.0	80.6	87.4	92.5	95.4	100.0	100.0

TOTAL NO. OF OBS : 691

## 2 - CEILING VS VISIBILITY

043319 : ATSUGI, JAPAN  
PERIOD OF RECORD : 1951-1987  
CLASS : ALL WEATHER  
CONDITION : NONE SPECIFIED

LAT. : 35 27N LONG. : 139 27E ELEV. : 214 FT  
MONTH : SEP  
HOUR : 1200 LST

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

CEILING	VISIBILITY (STATUTE MILES)															
	>=10	>=6	>=5	>=4	>=3	>=2 1/2	>=2	>=1 1/2	>=1	>=3/4	>=5/8	>=1/2	>=5/16	>=1/4	>=0	
UNLIMIT	22.5	28.8	30.6	31.2	32.8	33.3	33.3	33.3	33.3	33.3	33.3	33.3	33.3	33.3	33.3	33.3
>=20000	23.4	30.6	32.7	33.3	34.9	35.4	35.4	35.4	35.4	35.4	35.4	35.4	35.4	35.4	35.4	35.4
>=18000	23.4	30.6	32.7	33.3	34.9	35.4	35.4	35.4	35.4	35.4	35.4	35.4	35.4	35.4	35.4	35.4
>=16000	23.9	31.0	33.1	33.7	35.4	35.8	35.8	35.8	35.8	35.8	35.8	35.8	35.8	35.8	35.8	35.8
>=14000	24.2	32.5	35.1	35.8	37.8	38.4	38.4	38.4	38.4	38.4	38.4	38.4	38.4	38.4	38.4	38.4
>=12000	24.8	34.8	37.8	38.8	41.0	41.6	41.6	41.6	41.6	41.6	41.6	41.6	41.6	41.6	41.6	41.6
>=10000	26.0	37.6	41.0	42.2	44.5	45.4	45.4	45.4	45.4	45.4	45.4	45.4	45.4	45.4	45.4	45.4
>= 9000	26.0	38.1	41.5	42.8	45.1	46.0	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1
>= 8000	27.2	40.3	43.9	46.0	48.5	49.4	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7
>= 7000	27.8	41.2	44.8	47.0	49.7	50.6	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9
>= 6000	28.1	42.8	46.6	49.0	51.6	52.7	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0
>= 5000	28.2	43.7	47.8	50.3	53.4	54.9	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4
>= 4500	29.3	46.1	50.6	53.9	57.2	58.7	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3
>= 4000	29.9	48.8	53.9	57.6	61.0	63.1	63.7	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9
>= 3500	30.1	50.1	55.5	59.6	63.4	66.1	66.9	67.0	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2
>= 3000	31.0	53.0	58.8	63.7	68.2	71.0	72.4	72.7	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8
>= 2500	31.8	54.8	61.2	66.3	71.6	74.8	76.6	76.9	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3
>= 2000	32.4	56.3	63.3	69.0	74.8	78.2	80.4	81.0	81.2	81.9	81.9	81.9	81.9	81.9	81.9	81.9
>= 1800	32.4	56.9	63.9	69.6	75.4	78.8	81.3	81.9	82.1	82.8	82.8	82.8	82.8	82.8	82.8	82.8
>= 1500	32.4	58.7	66.0	72.5	78.8	82.8	86.0	87.0	87.3	88.2	88.2	88.2	88.2	88.2	88.2	88.2
>= 1200	32.4	59.4	67.0	73.6	80.1	84.5	87.9	89.1	89.4	90.6	90.6	90.6	90.6	90.6	90.6	90.6
>= 1000	32.4	59.6	67.3	74.0	80.7	85.8	89.6	90.9	91.2	92.8	92.8	92.8	92.8	92.8	92.8	92.8
>= 900	32.4	59.7	67.5	74.2	81.0	86.3	90.1	91.5	91.8	93.4	93.4	93.4	93.4	93.4	93.4	93.4
>= 800	32.4	59.9	67.8	74.6	81.6	87.0	90.9	92.5	92.8	94.6	94.8	94.8	94.8	94.8	94.8	94.8
>= 700	32.4	60.0	68.2	75.1	82.5	88.5	92.4	94.0	94.3	96.3	96.3	96.4	96.4	96.4	96.4	96.4
>= 600	32.4	60.0	68.2	75.2	82.7	89.0	93.4	95.2	95.5	97.6	98.1	98.2	98.2	98.2	98.2	98.2
>= 500	32.4	60.0	68.2	75.4	83.0	89.3	93.9	95.7	96.1	98.2	98.8	99.0	99.0	99.0	99.0	99.0
>= 400	32.4	60.0	68.2	75.5	83.1	89.6	94.3	96.3	96.7	99.0	99.6	99.7	99.7	99.7	99.7	99.7
>= 300	32.4	60.0	68.4	75.7	83.3	89.7	94.5	96.4	97.0	99.3	99.9	100.0	100.0	100.0	100.0	100.0
>= 200	32.4	60.0	68.4	75.7	83.3	89.7	94.5	96.4	97.0	99.3	99.9	100.0	100.0	100.0	100.0	100.0
>= 100	32.4	60.0	68.4	75.7	83.3	89.7	94.5	96.4	97.0	99.3	99.9	100.0	100.0	100.0	100.0	100.0
>= 0	32.4	60.0	68.4	75.7	83.3	89.7	94.5	96.4	97.0	99.3	99.9	100.0	100.0	100.0	100.0	100.0

TOTAL NO. OF OBS : 670

## 2 - CEILING VS VISIBILITY

043319 : AITSUGI, JAPAN  
 PERIOD OF RECORD : 1951-1987  
 CLASS : ALL WEATHER  
 CONDITION : NONE SPECIFIED

LAT. : 35 27N LONG. : 139 27E ELEV. : 214 FT  
 MONTH : SEP  
 HOUR : 1500 LST

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

CEILING	VISIBILITY (STATUTE MILES)									
	>=10	>=6	>=5	>=4	>=3	>=2	1/2	>=1	1/2	>=1
UNLIMIT	22.8	30.1	32.2	33.8	34.1	34.7	34.7	34.7	34.7	34.7
>=20000	24.0	32.3	34.4	36.1	36.4	37.0	37.0	37.0	37.0	37.0
>=18000	24.1	32.6	34.9	36.5	36.8	37.4	37.4	37.4	37.4	37.4
>=16000	24.3	32.8	35.0	36.7	37.0	37.6	37.6	37.6	37.6	37.6
>=14000	24.4	34.0	36.8	38.8	39.1	39.8	40.0	40.0	40.0	40.0
>=12000	25.1	36.7	39.8	42.7	43.4	44.5	44.5	44.5	44.5	44.5
>=10000	26.0	39.2	43.1	46.3	47.5	48.4	48.7	48.8	48.8	48.8
>= 9000	26.0	39.8	43.7	47.0	48.2	49.1	49.4	49.6	49.6	49.6
>= 8000	27.1	42.2	46.3	50.7	51.9	52.8	53.3	53.6	53.6	53.6
>= 7000	27.5	43.9	48.2	53.1	54.6	55.5	56.1	56.4	56.4	56.4
>= 6000	28.0	45.4	49.9	54.9	56.7	57.8	58.5	58.8	58.8	58.8
>= 5000	28.9	47.6	52.8	58.5	60.6	61.8	62.6	62.9	62.9	62.9
>= 4500	29.5	49.3	54.9	60.8	63.3	64.8	65.6	65.9	65.9	65.9
>= 4000	29.5	50.1	56.6	63.3	66.2	67.8	68.6	69.0	69.2	69.2
>= 3500	30.5	51.9	58.5	65.6	68.9	70.7	71.6	72.0	72.3	72.3
>= 3000	31.1	54.9	61.8	69.5	73.5	75.3	76.5	77.1	77.5	77.5
>= 2500	31.4	56.1	63.5	71.4	75.9	78.3	79.8	80.7	81.3	81.3
>= 2000	31.4	57.5	65.3	73.4	78.4	81.1	82.8	83.7	84.4	84.4
>= 1800	31.4	57.5	65.3	73.4	78.6	81.3	82.9	83.8	84.6	84.6
>= 1500	31.6	58.5	66.9	75.0	81.3	84.0	85.9	87.0	87.9	87.9
>= 1200	31.7	59.1	67.7	76.0	82.6	85.8	88.0	89.2	90.4	90.4
>= 1000	31.7	59.6	68.7	77.1	84.1	87.7	90.0	91.2	92.8	92.8
>= 900	31.7	59.6	68.7	77.4	84.9	88.6	90.9	92.1	93.7	93.7
>= 800	31.9	59.9	69.0	77.8	85.5	89.2	91.8	93.3	95.4	95.4
>= 700	31.9	59.9	69.0	77.8	85.5	89.4	91.9	93.6	96.3	96.3
>= 600	31.9	59.9	69.2	78.4	86.2	90.3	93.3	94.9	98.1	98.1
>= 500	31.9	59.9	69.2	78.4	86.2	90.4	93.6	95.4	98.8	98.8
>= 400	31.9	59.9	69.2	78.4	86.4	90.6	93.7	95.5	99.4	99.4
>= 300	31.9	59.9	69.2	78.4	86.4	90.6	93.7	95.8	99.9	99.9
>= 200	31.9	59.9	69.2	78.4	86.4	90.6	93.7	96.6	100.0	100.0
>= 100	31.9	59.9	69.2	78.4	86.4	90.6	93.7	96.6	99.9	99.9
>= 0	31.9	59.9	69.2	78.4	86.4	90.6	93.7	95.8	99.9	99.9

TOTAL NO. OF OBS : 668

## 2 - CEILING VS VISIBILITY

043319 : AITSUGI, JAPAN  
 PERIOD OF RECORD : 1951-1987  
 CLASS : ALL WEATHER  
 CONDITION : NONE SPECIFIED

LAT. : 35 27N LONG. : 139 27E ELEV. : 214 FT  
 MONTH : SEP  
 HOUR : 1800 LST

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

CEILING	VISIBILITY (STATUTE MILES)															
	>=10	>=6	>=5	>=4	>=3	>=2	1/2	>=1	1/4	>=1	>=3/4	>=5/8	>=1/2	>=5/16	>=1/4	>=0
UNLIMIT	16.6	22.9	26.8	29.4	33.1	34.3	34.9	35.3	35.3	35.4	35.4	35.4	35.4	35.4	35.4	35.4
>=20000	17.1	24.1	27.9	30.7	34.4	35.6	36.2	36.6	36.6	36.8	36.8	36.8	36.8	36.8	36.8	36.8
>=18000	17.1	24.1	27.9	30.7	34.4	35.6	36.2	36.6	36.6	36.8	36.8	36.8	36.8	36.8	36.8	36.8
>=16000	17.1	24.1	27.9	30.9	34.6	35.7	36.3	36.8	36.8	36.9	36.9	36.9	36.9	36.9	36.9	36.9
>=14000	17.6	25.0	29.3	32.5	36.3	37.6	38.4	38.8	38.8	39.0	39.0	39.0	39.0	39.0	39.0	39.0
>=12000	18.4	26.8	32.1	35.7	40.0	41.8	42.8	43.4	43.4	43.5	43.5	43.5	43.5	43.5	43.5	43.5
>=10000	19.0	28.7	34.4	38.4	43.4	45.9	47.6	48.2	48.2	48.4	48.4	48.4	48.4	48.4	48.4	48.4
>=9000	19.0	29.3	35.1	39.4	44.7	47.4	49.1	50.0	50.0	50.1	50.1	50.1	50.1	50.1	50.1	50.1
>=8000	19.6	30.7	37.1	41.5	47.6	50.9	52.8	53.7	53.7	53.8	53.8	53.8	53.8	53.8	53.8	53.8
>=7000	19.9	31.6	38.4	42.9	49.3	52.6	55.1	56.2	56.2	56.3	56.3	56.3	56.3	56.3	56.3	56.3
>=6000	20.1	32.6	39.6	44.7	51.8	55.1	58.1	59.3	59.3	59.4	59.4	59.4	59.4	59.4	59.4	59.4
>=5000	20.7	34.4	42.1	47.8	55.6	59.3	62.4	63.5	63.7	63.8	64.0	64.0	64.0	64.0	64.0	64.0
>=4500	21.3	36.8	44.7	50.9	59.3	63.2	66.5	67.8	67.8	68.1	68.2	68.2	68.2	68.2	68.2	68.2
>=4000	21.3	37.5	45.4	51.6	60.6	65.1	68.7	70.0	70.1	70.4	70.6	70.6	70.6	70.6	70.6	70.6
>=3500	21.5	39.1	47.1	53.7	63.2	67.9	71.5	72.8	72.9	73.2	73.4	73.4	73.4	73.4	73.4	73.4
>=3000	21.9	40.6	49.0	56.0	66.3	71.6	75.9	77.2	77.5	77.8	78.1	78.1	78.1	78.1	78.1	78.1
>=2500	22.2	41.3	50.0	57.5	68.2	73.7	78.5	80.1	80.4	81.5	81.8	81.8	81.8	81.8	81.8	81.8
>=2000	22.4	41.9	50.9	59.0	70.1	76.3	81.3	82.9	83.5	85.0	85.4	85.4	85.4	85.4	85.4	85.4
>=1800	22.5	42.1	51.0	59.3	70.6	76.8	81.8	83.5	84.1	85.7	86.5	86.5	86.5	86.6	86.6	86.6
>=1500	22.5	42.8	51.8	60.3	72.6	78.8	84.0	86.0	86.6	88.8	90.0	90.0	90.1	90.1	90.1	90.1
>=1200	22.5	42.9	52.1	60.6	73.4	79.9	85.4	87.6	88.5	91.2	92.4	92.5	92.5	92.5	92.5	92.5
>=1000	22.5	43.4	52.5	61.0	74.1	80.9	86.5	88.7	89.6	92.2	93.8	93.8	94.0	94.0	94.0	94.0
>=900	22.5	43.4	52.5	61.0	74.3	81.0	86.6	89.0	89.9	92.5	94.3	94.3	94.4	94.4	94.4	94.4
>=800	22.5	43.4	52.6	61.2	74.6	81.6	87.2	89.6	90.6	93.2	95.1	95.1	95.3	95.3	95.3	95.3
>=700	22.5	43.4	52.6	61.2	74.6	81.6	87.5	90.0	91.2	94.1	96.2	96.2	96.3	96.3	96.3	96.3
>=600	22.5	43.4	52.6	61.2	74.9	82.1	88.5	91.3	92.5	95.4	97.5	97.6	97.8	97.8	97.8	97.8
>=500	22.5	43.4	52.6	61.3	75.1	82.4	88.8	91.9	93.2	96.2	98.5	98.7	98.8	98.8	98.8	98.8
>=400	22.5	43.4	52.6	61.3	75.1	82.4	89.0	92.1	93.5	96.6	99.1	99.3	99.4	99.6	99.6	99.6
>=300	22.5	43.4	52.6	61.3	75.1	82.4	89.0	92.1	93.5	96.6	99.4	99.6	99.7	99.9	99.9	99.9
>=200	22.5	43.4	52.6	61.3	75.1	82.4	89.0	92.1	93.5	96.6	99.4	99.6	99.7	99.9	100.0	100.0
>=100	22.5	43.4	52.6	61.3	75.1	82.4	89.0	92.1	93.5	96.6	99.4	99.6	99.7	99.9	99.9	100.0
>=0	22.5	43.4	52.6	61.3	75.1	82.4	89.0	92.1	93.5	96.6	99.4	99.6	99.7	99.9	99.9	100.0

TOTAL NO. OF OBS : 680

## 2 - CEILING VS VISIBILITY

043319 : ATSUGI, JAPAN  
PERIOD OF RECORD : 1951-1987  
CLASS : ALL WEATHER  
CONDITION : NONE SPECIFIED

LAT. : 35 27N LONG. : 139 27E ELEV. : 214 FT  
MONTH : SEP  
HOUR : 2100 LST

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

CEILING	VISIBILITY (STATUTE MILES)									
	>=10	>=6	>=5	>=4	>=3	>=2	1/2	>=1	1/2	>=1
UNLIMIT	19.3	28.7	32.8	35.4	37.8	39.4	40.8	41.0	41.0	41.0
>=20000	19.8	29.1	33.5	36.2	38.8	40.4	41.8	42.0	42.0	42.0
>=18000	19.8	29.2	33.7	36.4	39.0	40.5	42.0	42.1	42.1	42.1
>=16000	19.8	29.2	33.7	36.4	39.0	40.5	42.0	42.1	42.1	42.1
>=14000	20.2	29.9	34.4	37.1	39.8	41.4	42.8	43.0	43.0	43.0
>=12000	20.9	32.4	37.4	40.4	43.3	45.1	46.7	47.0	47.0	47.0
>=10000	21.9	35.4	40.8	44.7	47.9	50.0	51.6	52.0	52.0	52.0
>=9000	21.9	35.7	41.1	45.0	48.3	50.4	52.0	52.6	52.6	52.6
>=8000	22.6	37.4	43.4	47.6	51.7	54.0	55.7	56.3	56.3	56.3
>=7000	23.1	38.7	45.0	49.4	53.9	56.2	58.0	58.6	58.6	58.6
>=6000	23.5	39.7	46.1	50.9	55.4	57.7	59.6	60.2	60.2	60.2
>=5000	24.4	41.8	48.9	53.7	58.9	61.3	63.2	63.9	63.9	63.9
>=4500	25.2	44.3	51.9	57.0	62.2	64.6	66.6	67.5	67.5	67.5
>=4000	25.6	46.1	54.7	59.9	65.2	67.6	69.9	70.8	70.8	70.8
>=3500	26.6	48.1	57.2	62.8	68.2	70.8	73.2	74.2	74.2	74.2
>=3000	26.8	49.7	59.2	65.2	70.9	73.6	76.2	77.2	77.2	77.2
>=2500	27.5	51.7	61.5	68.1	74.4	77.5	80.2	81.2	81.2	81.2
>=2000	27.9	53.0	63.6	70.9	77.9	81.1	84.0	85.0	85.0	85.0
>=1800	28.1	53.2	63.9	71.2	78.2	81.5	84.5	85.5	85.5	85.5
>=1500	28.2	54.4	65.2	72.6	80.4	84.0	87.2	88.5	88.5	88.5
>=1200	28.4	55.2	66.0	73.6	81.9	85.8	89.1	90.4	90.4	90.4
>=1000	28.4	55.3	66.3	74.4	83.0	86.8	90.4	91.8	91.8	91.8
>=900	28.5	55.6	66.6	74.8	83.4	87.2	91.0	92.4	92.4	92.4
>=800	28.5	55.6	66.8	75.1	83.8	87.8	91.7	93.3	93.3	93.3
>=700	28.5	55.6	66.8	75.2	84.0	88.0	92.1	93.8	93.8	93.8
>=600	28.5	55.7	67.0	75.5	84.2	88.4	93.4	95.6	95.6	95.6
>=500	28.5	55.7	67.0	75.5	84.5	88.7	94.1	96.6	96.6	96.6
>=400	28.5	55.7	67.0	75.5	84.5	88.7	94.1	96.7	96.7	96.7
>=300	28.5	55.7	67.0	75.5	84.5	88.7	94.1	96.8	96.8	96.8
>=200	28.5	55.7	67.0	75.5	84.5	88.7	94.1	96.8	96.8	96.8
>=100	28.5	55.7	67.0	75.5	84.5	88.7	94.1	96.8	96.8	96.8
>=0	28.5	55.7	67.0	75.5	84.5	88.7	94.1	96.8	96.8	96.8

TOTAL NO. OF OBS : 698

043319 : ATSUGI, JAPAN  
 PERIOD OF RECORD : 1951-1987  
 CLASS : ALL WEATHER  
 CONDITION : NONE SPECIFIED

LAT. : 35 27N LONG. : 139 27E ELEV. : 214 FT  
 MONTH : SEP  
 HOUR : ALL

PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)

CEILING	VISIBILITY (STATUTE MILES)															
	>=10	>=6	>=5	>=4	>=3	>=2 1/2	>=2	>=1 1/2	>=1	>=3/4	>=5/8	>=1/2	>=5/16	>=1/4	>=0	
UNLIMIT	18.8	26.1	29.0	31.1	33.9	35.0	35.9	36.5	36.6	36.7	36.8	36.9	36.9	36.9	36.9	
>=20000	19.3	27.1	30.2	32.3	35.1	36.4	37.3	37.8	37.9	38.1	38.2	38.3	38.3	38.3	38.3	
>=18000	19.4	27.2	30.3	32.5	35.3	36.6	37.4	38.0	38.1	38.3	38.3	38.4	38.4	38.4	38.5	
>=16000	19.5	27.3	30.5	32.7	35.5	36.7	37.6	38.2	38.3	38.5	38.5	38.6	38.6	38.6	38.7	
>=14000	20.0	28.4	31.8	34.1	37.1	38.4	39.3	39.9	40.0	40.2	40.3	40.4	40.4	40.4	40.4	
>=12000	20.9	30.4	34.3	37.0	40.2	41.7	42.8	43.4	43.6	43.7	43.8	43.9	43.9	43.9	44.0	
>=10000	21.6	32.7	37.0	40.0	43.7	45.5	46.9	47.5	47.7	47.9	48.0	48.0	48.0	48.0	48.1	
>= 9000	21.8	33.3	37.7	40.9	44.7	46.6	47.9	48.7	48.9	49.1	49.2	49.3	49.3	49.3	49.4	
>= 8000	22.9	35.4	40.2	43.9	48.1	50.1	51.6	52.5	52.7	52.9	53.1	53.2	53.2	53.2	53.3	
>= 7000	23.4	36.8	41.8	45.6	50.1	52.2	53.8	54.7	54.8	55.1	55.3	55.4	55.4	55.4	55.4	
>= 6000	23.8	37.8	43.0	47.0	51.7	53.8	55.5	56.4	56.6	56.9	57.0	57.1	57.1	57.1	57.2	
>= 5000	24.9	40.4	46.2	50.5	55.7	58.1	59.8	60.8	61.0	61.2	61.4	61.5	61.5	61.5	61.6	
>= 4500	25.8	42.5	48.6	53.3	58.7	61.3	63.1	64.1	64.3	64.5	64.7	64.8	64.9	64.9	64.9	
>= 4000	26.3	44.2	50.8	55.8	61.5	64.3	66.3	67.4	67.6	67.9	68.1	68.2	68.3	68.3	68.3	
>= 3500	26.9	45.9	52.8	58.1	64.1	67.0	69.2	70.3	70.5	70.9	71.1	71.2	71.2	71.2	71.3	
>= 3000	27.5	47.6	54.9	60.7	67.1	70.3	72.8	74.0	74.2	74.6	74.8	74.9	75.0	75.0	75.1	
>= 2500	28.1	49.1	56.8	62.9	69.7	73.2	76.0	77.3	77.6	78.1	78.3	78.4	78.5	78.5	78.6	
>= 2000	28.4	50.5	58.7	65.2	72.5	76.3	79.3	80.8	81.1	81.7	82.1	82.2	82.2	82.2	82.3	
>= 1800	28.5	50.8	59.0	65.6	73.0	76.9	80.0	81.5	81.8	82.5	82.9	83.0	83.1	83.1	83.2	
>= 1500	28.7	51.9	60.3	67.3	75.3	79.5	83.0	84.7	85.0	85.9	86.4	86.5	86.6	86.6	86.7	
>= 1200	28.7	52.5	61.1	68.2	76.6	80.9	84.8	86.7	87.1	88.2	88.7	88.8	89.0	89.0	89.0	
>= 1000	28.8	52.9	61.7	68.9	77.6	82.3	86.3	88.4	88.8	90.2	90.8	90.9	91.1	91.1	91.2	
>= 900	28.8	52.9	61.8	69.1	77.9	82.8	87.0	89.1	89.6	91.0	91.6	91.8	92.0	92.0	92.0	
>= 800	28.8	53.1	62.0	69.6	78.6	83.6	88.1	90.4	90.9	92.5	93.2	93.4	93.6	93.6	93.7	
>= 700	28.8	53.2	62.2	69.8	79.0	84.1	88.7	91.2	91.7	93.5	94.4	94.5	94.7	94.8	94.8	
>= 600	28.8	53.2	62.4	70.1	79.5	84.8	89.9	92.6	93.2	95.2	96.1	96.3	96.5	96.5	96.6	
>= 500	28.8	53.3	62.5	70.3	79.9	85.4	90.7	93.7	94.3	96.4	97.5	97.7	97.9	98.0	98.1	
>= 400	28.8	53.4	62.5	70.4	80.0	85.5	91.1	94.1	94.8	97.1	98.3	98.4	98.7	98.8	98.9	
>= 300	28.8	53.4	62.6	70.5	80.1	85.6	91.3	94.4	95.2	97.5	98.8	99.0	99.4	99.5	99.6	
>= 200	28.8	53.4	62.6	70.5	80.1	85.6	91.3	94.5	95.2	97.6	99.0	99.2	99.5	99.6	99.7	
>= 100	28.8	53.4	62.6	70.5	80.1	85.6	91.3	94.5	95.2	97.6	99.0	99.2	99.6	99.7	99.9	
>= 0	28.8	53.4	62.6	70.5	80.1	85.6	91.3	94.5	95.2	97.7	99.0	99.2	99.6	99.7	100.0	

TOTAL NO. OF OBS : 5432



# 1 - SURFACE WINDS

043319 : ATSUGI, JAPAN  
 PERIOD OF RECORD : 1951-1987  
 CLASS : ALL WEATHER  
 CONDITION : NONE SPECIFIED

LAT. : 35 27N LONG. : 139 27E ELEV. : 214 FT  
 MONTH : OCT  
 HOUR : 0000 LST

## PERCENTAGE FREQUENCY OF WIND DIRECTION VS SPEED (FROM HOURLY OBSERVATIONS)

		SPEED (KNOTS)												TOTAL		MEAN			
		1	2	3	4	5	6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	>=56	%		
16 PT.	DIR.																		
	N	7.6	17.0			9.9	4.0			.6	.1	.0	.0	.0	.0	.0	39.2	6.3	
	NNE	.9	3.0			2.4	1.0			.0	.0	.1	.0	.0	.0	.0	7.4	6.9	
	NE	1.4	.4			.4	.1			.1	.0	.0	.0	.0	.0	.0	2.4	4.6	
	ENE	.1	.1			.2	.0			.0	.0	.0	.0	.0	.0	.0	.4	5.3	
	E	.1	.1			.0	.0			.0	.0	.0	.0	.0	.0	.0	.2	3.5	
	ESE	.6	.0			.0	.0			.0	.0	.0	.0	.0	.0	.0	.6	1.7	
	SE	.2	.0			.0	.0			.0	.0	.0	.0	.0	.0	.0	.2	3.0	
	SSE	.4	.1			.0	.0			.0	.0	.0	.0	.0	.0	.0	.5	3.0	
	S	.4	.5			.6	.5			.1	.0	.0	.0	.0	.0	.0	2.1	7.7	
	SSW	.3	.7			.3	.4			.3	.0	.0	.0	.0	.0	.0	2.0	9.2	
	SW	.1	.0			.3	.1			.1	.0	.0	.0	.0	.0	.0	.6	9.7	
	WSW	.1	.0			.0	.0			.0	.0	.0	.0	.0	.0	.0	.1	2.0	
	W	.2	.1			.0	.0			.0	.0	.0	.0	.0	.0	.0	.3	2.7	
	WNW	.9	.3			.0	.0			.0	.0	.0	.0	.0	.0	.0	1.2	2.5	
	NW	1.4	3.0			.6	.5			.0	.0	.0	.0	.0	.0	.0	5.5	5.4	
	NNW	5.7	10.8			8.7	2.2			.2	.0	.0	.0	.0	.0	.0	27.7	6.2	
	VAR	.0	.0			.0	.0			.0	.0	.0	.0	.0	.0	.0	.0	.0	
	CLM	.0	.0			.0	.0			.0	.0	.0	.0	.0	.0	.0	.0	.0	
	ALL	20.5	36.0			23.5	8.9			1.4	.1	.1	.0	.0	.0	.0	100.0	5.6	

TOTAL NO. OF OBS : 983

NOTES :  
 \* = PERCENT < .05

# 1 - SURFACE WINDS

043319 : ATISUGI, JAPAN  
 PERIOD OF RECORD : 1951-1987  
 CLASS : ALL WEATHER  
 CONDITION : NONE SPECIFIED

LAT. : 35 27N LONG. : 139 27E ELEV. : 214 FT  
 MONTH : OCT  
 HOUR : 0300 LST

## PERCENTAGE FREQUENCY OF WIND DIRECTION VS SPEED (FROM HOURLY OBSERVATIONS)

SPEED (KNOTS)													TOTAL	MEAN WIND SPEED
16 PT.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	>56			
DIR.														
N	9.0	18.9	14.5	3.7	.5	.2	.0	.0	.0	.0	.0	46.8	6.3	
NNE	2.0	4.1	2.2	.7	.0	.0	.0	.0	.0	.0	.0	9.1	5.9	
NE	.1	1.0	.5	.0	.0	.0	.0	.0	.0	.0	.0	1.6	5.9	
ENE	.2	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0	.3	4.7	
E	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
ESE	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0	
SE	.0	.2	.0	.1	.0	.0	.0	.0	.0	.0	.0	.3	9.0	
SSE	.1	.1	.0	.1	.0	.0	.0	.0	.0	.0	.0	.3	7.7	
S	.2	.1	.1	.4	.0	.1	.1	.0	.0	.0	.0	1.0	11.8	
SSW	.0	.5	.6	.5	.1	.2	.0	.0	.0	.0	.0	1.9	11.3	
SW	.2	.1	.3	.0	.0	.0	.0	.0	.0	.0	.0	.6	6.0	
WSW	.1	.2	.0	.1	.0	.0	.0	.0	.0	.0	.0	.4	7.3	
W	.3	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.5	3.8	
WNW	.7	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.8	2.5	
NW	1.3	1.7	1.4	.4	.0	.0	.0	.0	.0	.0	.0	4.9	5.9	
NNW	4.5	8.7	7.8	2.3	.3	.1	.0	.0	.0	.0	.0	23.8	6.6	
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
CLW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	7.5	.0	
ALL	18.8	35.9	27.7	8.4	.9	.6	.1	.0	.0	.0	.0	100.0	5.9	

TOTAL NO. OF OBS : 983

NOTES :  
 \* = PERCENT < .05

1 - SURFACE WINDS

043319 : AISUGI, JAPAN LAT. : 35 27N LONG. : 139 27E ELEV. : 214 FT  
 PERIOD OF RECORD : 1951-1987 MONTH : OCT  
 CLASS : ALL WEATHER HOUR : 0600 LST  
 CONDITION : NONE SPECIFIED

PERCENTAGE FREQUENCY OF WIND  
 DIRECTION VS SPEED  
 (FROM HOURLY OBSERVATIONS)

DIR.	SPEED (KNOTS)																TOTAL	MEAN WIND SPEED
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	>56	2	1	2	3	4	5	6
N	7.8	19.7	14.7	3.9	.5	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	46.8	6.4
NNE	2.4	5.8	3.3	.8	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	12.5	6.1
NE	1.1	1.2	.7	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.2	5.1
ENE	.6	.2	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.8	2.9
E	.4	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.5	2.6
ESE	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	13.0
SE	.1	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.3	4.7
SSE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	20.0
S	.4	.1	.3	.2	.1	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.2	8.7
SSW	.1	.2	.3	.5	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.2	10.5
SW	.1	.1	.4	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.8	7.8
WSW	.2	.1	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.5	5.4
W	.2	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.3	5.7
WNW	.5	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.6	3.2
NW	.9	1.5	.9	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.6	5.7
NNW	3.0	8.1	6.9	2.9	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	21.1	7.0
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CLW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	6.5	.0
ALL	17.7	37.4	27.5	9.2	1.3	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0	6.0

TOTAL NO. OF OBS : 1060

NOTES : \* = PERCENT < .05

# 1 - SURFACE WINDS

043319 : ATSUGI, JAPAN LAT. : 35 27N LONG. : 139 27E ELEV. : 214 FT  
 PERIOD OF RECORD : 1951-1987 MONTH : OCT  
 CLASS : ALL WEATHER HOUR : 0900 LST  
 CONDITION : NONE SPECIFIED

## PERCENTAGE FREQUENCY OF WIND DIRECTION VS SPEED (FROM HOURLY OBSERVATIONS)

16 PT. DIR.	SPEED (KNOTS)											TOTAL %	MEAN WIND SPEED
	1 - 3	4 - 6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	>=56		
N	2.9	11.7	19.2	9.2	.6	.0	.0	.0	.0	.0	.0	43.7	8.2
NNE	2.0	6.8	6.5	3.2	.3	.0	.0	.0	.0	.0	.0	18.7	7.4
NE	1.7	1.8	1.8	.7	.0	.0	.0	.0	.0	.0	.0	6.0	6.3
ENE	.6	.7	.4	.0	.0	.0	.0	.0	.0	.0	.0	1.6	4.5
E	.7	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.0	2.9
ESE	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.4	2.0
SE	.2	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.5	3.0
SSE	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.4	2.3
S	.2	.5	.1	.7	.1	.2	.0	.0	.0	.0	.0	1.7	10.7
SSW	.0	.1	1.0	.9	.6	.2	.0	.0	.0	.0	.0	2.8	12.7
SW	.4	.4	.0	.3	.1	.0	.0	.0	.0	.0	.0	1.1	7.3
WSW	.2	.2	.0	.2	.0	.0	.0	.0	.0	.0	.0	.6	7.0
W	.2	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.3	3.0
WNW	.3	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.5	3.8
NW	.3	.7	.4	.1	.1	.0	.0	.0	.0	.0	.0	1.5	6.6
NNW	.5	3.3	6.7	3.8	.3	.1	.0	.0	.0	.0	.0	14.7	9.0
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CLW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	4.7	.0
ALL	10.9	26.8	36.1	19.0	2.0	.5	.0	.0	.0	.0	.0	100.0	7.6

TOTAL NO. OF OBS : 1051

NOTES :  
 \* = PERCENT < .05

# 1 - SURFACE WINDS

043319 : AISUGI, JAPAN LAT. : 35 27N LONG. : 139 27E ELEV. : 214 FT  
 PERIOD OF RECORD : 1951-1987 MONTH : OCT  
 CLASS : ALL WEATHER HOUR : 1200 LST  
 CONDITION : NONE SPECIFIED

## PERCENTAGE FREQUENCY OF WIND DIRECTION VS SPEED (FROM HOURLY OBSERVATIONS)

16 PT. DIR.		1	1 - 3	4 - 6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	>=56	TOTAL %	MEAN WIND SPEED	
		SPEED (KNOTS)														
N	1.2	6.4	11.0	8.0	1.0	.4	.0	.0	.0	.0	.0	.0	.0	28.0	9.3	
NNE	.9	5.1	8.3	4.0	.7	.1	.0	.0	.0	.0	.0	.0	.0	19.0	8.7	
NE	1.6	3.8	4.0	1.4	.1	.0	.0	.0	.0	.0	.0	.0	.0	11.0	7.0	
ENE	1.3	2.3	1.0	.3	.1	.0	.0	.0	.0	.0	.0	.0	.0	5.0	5.6	
E	.9	1.6	.7	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.2	5.0	
ESE	1.0	1.2	.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.7	4.3	
SE	.5	.8	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.4	4.7	
SSE	1.0	1.5	.4	.1	.0	.0	.0	.1	.0	.0	.0	.0	.0	3.1	5.5	
S	1.0	1.4	2.5	1.9	.4	.1	.0	.0	.0	.0	.0	.0	.0	7.2	8.9	
SSW	.6	1.1	1.0	1.8	.6	.1	.2	.0	.0	.0	.0	.0	.0	5.3	11.2	
SW	.0	.3	.2	.2	.0	.2	.0	.0	.0	.0	.0	.0	.0	.9	12.0	
WSW	.2	.2	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0	.5	7.4	
W	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	3.5	
WNW	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	3.0	
NW	.0	.5	.0	.2	.1	.0	.0	.0	.0	.0	.0	.0	.0	.8	8.4	
NNW	.4	1.2	3.3	3.0	.5	.0	.0	.0	.0	.0	.0	.0	.0	8.4	10.0	
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
CLW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.1	.0	
ALL	10.7	27.6	33.0	21.0	3.3	1.0	.3	.0	.0	.0	.0	.0	.0	100.0	8.1	
															TOTAL NO. OF OBS :	1050

TOTAL NO. OF OBS : 1050

NOTES :  
 \* = PERCENT < .05

# 1 - SURFACE WINDS

043319 : ATSUGI, JAPAN  
 PERIOD OF RECORD : 1951-1987  
 CLASS : ALL WEATHER  
 CONDITION : NONE SPECIFIED

LAT. : 35 27N LONG. : 139 27E ELEV. : 214 FT  
 MONTH : OCT  
 HOUR : 1500 LST

## PERCENTAGE FREQUENCY OF WIND DIRECTION VS SPEED (FROM HOURLY OBSERVATIONS)

16 PT.	DIR.	SPEED (KNOTS)										TOTAL %	MEAN WIND SPEED
		1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55		
N	1.2	4.2	7.6	6.1	.4	.0	.0	.0	.0	.0	.0	19.5	9.1
NNE	.6	4.6	5.7	3.2	.3	.0	.0	.0	.0	.0	.0	14.3	8.5
NE	.5	2.9	3.1	.9	.0	.0	.0	.0	.0	.0	.0	7.8	6.8
ENE	.5	2.1	2.0	.2	.0	.0	.0	.0	.0	.0	.0	4.7	6.6
E	1.1	2.2	3.1	.4	.0	.0	.0	.0	.0	.0	.0	6.8	6.5
ESE	.9	2.8	2.4	.2	.0	.0	.0	.0	.0	.0	.0	6.3	6.1
SE	.7	3.1	1.2	.0	.0	.0	.0	.0	.0	.0	.0	5.0	5.3
SSE	.3	2.2	.9	.4	.0	.0	.0	.0	.0	.0	.0	3.7	6.7
S	.7	3.1	5.2	2.1	.4	.0	.0	.0	.0	.0	.0	11.5	8.4
SSW	.2	1.4	3.1	2.4	.8	.1	.0	.0	.0	.0	.0	8.0	10.2
SW	.2	.2	.4	.3	.5	.0	.0	.0	.0	.0	.0	1.5	11.7
WSW	.1	.0	.2	.0	.1	.0	.0	.0	.0	.0	.0	.4	9.0
W	.2	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.3	3.3
WNW	.2	.2	.1	.1	.0	.0	.0	.0	.0	.0	.0	.6	6.3
NW	.2	.4	.2	.2	.0	.0	.0	.0	.0	.0	.0	.9	5.9
NNW	.6	1.6	2.0	2.7	.1	.0	.0	.0	.0	.0	.0	6.9	9.3
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CLM	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.7	.0
ALL	8.4	31.1	37.2	19.0	2.5	.1	.0	.0	.0	.0	.0	100.0	7.9

TOTAL NO. OF OBS : 1053

NOTES : \* = PERCENT < .05

# 1 - SURFACE WINDS

043319 : ATSUGI, JAPAN  
 PERIOD OF RECORD : 1951-1987  
 CLASS : ALL WEATHER  
 CONDITION : NONE SPECIFIED

LAT. : 35 27N LONG. : 139 27E ELEV. : 214 FT  
 MONTH : OCT  
 HOUR : 1800 LST

## PERCENTAGE FREQUENCY OF WIND DIRECTION VS SPEED (FROM HOURLY OBSERVATIONS)

16 PT. DIR.	1	3	4	6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	>=56	TOTAL	MEAN WIND SPEED
N	3.0						.2	.0	.0	.0	.0	.0	.0	21.3	7.1
NNE	2.6	4.0	6.7	6.0	3.4	1.1	.3	.0	.0	.0	.0	.0	.0	10.9	6.2
NE	1.6	2.7	2.7	1.8	1.1	.4	.0	.0	.0	.0	.0	.0	.0	6.4	5.8
ENE	.9	2.0	1.3	1.3	.2	.1	.0	.0	.0	.0	.0	.0	.0	4.4	5.4
E	2.1	2.1	.8	.8	.1	.0	.0	.0	.0	.0	.0	.0	.0	5.0	4.5
ESE	.5	.8	.5	.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.7	5.2
SE	1.1	.5	.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.6	3.0
SSE	1.2	.5	.2	.2	.1	.0	.0	.0	.0	.0	.0	.0	.0	2.0	3.8
S	2.6	2.8	1.2	1.2	.4	.4	.4	.1	.0	.0	.0	.0	.0	7.7	5.6
SSW	2.7	2.6	1.3	1.3	.8	.3	.2	.0	.0	.0	.0	.0	.0	7.2	6.0
SW	1.4	1.4	.7	.7	.3	.2	.0	.0	.0	.0	.0	.0	.0	3.9	5.5
WSW	.0	.7	.3	.3	.2	.0	.0	.0	.0	.0	.0	.0	.0	2.0	5.0
W	.4	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.5	2.8
WNW	.5	.2	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.8	3.8
NW	.5	.4	.5	.5	.1	.1	.0	.0	.0	.0	.0	.0	.0	1.4	5.5
NNW	1.5	2.8	3.2	3.2	3.0	.2	.2	.0	.0	.0	.0	.0	.0	10.7	8.0
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CLW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
ALL	23.1	32.2	20.5	20.5	10.2	1.3	1.3	.1	.0	.0	.0	.0	.0	100.0	5.4

TOTAL NO. OF OBS : 1064

NOTES : \* = PERCENT < .05

# 1 - SURFACE WINDS

043319 : ATSUGI, JAPAN  
 PERIOD OF RECORD : 1951-1987  
 CLASS : ALL WEATHER  
 CONDITION : NONE SPECIFIED

LAT. : 35 27N LONG. : 139 27E ELEV. : 214 FT  
 MONTH : OCT  
 HOUR : 2100 LST

## PERCENTAGE FREQUENCY OF WIND DIRECTION VS SPEED (FROM HOURLY OBSERVATIONS)

16 PT. DIR.	SPEED (KNOTS)																TOTAL %	MEAN WIND SPEED
	1	2	3	4	5	6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	>=56			
N	6.3	13.2	8.7	3.4	.2	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	32.0	6.4	
NNE	2.0	4.0	2.7	1.2	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	11.0	6.1	
NE	1.1	.7	.6	.2	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.6	5.6	
ENE	.7	.3	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.2	3.4	
E	.7	.3	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.1	3.7	
ESE	.5	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.8	3.3	
SE	.4	.2	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.7	4.4	
SSE	.7	.4	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.2	3.9	
S	.9	.6	.7	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.4	5.6	
SSW	.4	.7	.8	.4	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.5	8.0	
SW	.5	.7	.4	.5	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.1	7.5	
WSW	.3	.5	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.8	4.3	
W	.5	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.7	3.0	
WNW	.5	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.7	3.3	
NW	3.0	3.3	.7	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	7.1	4.1	
NNW	4.5	8.8	6.7	2.2	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	22.4	6.3	
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
CLM	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	10.5	.0	
ALL	23.7	34.4	21.9	8.4	.8	.1	.1	.1	.0	.0	.0	.0	.0	.0	.0	100.0	5.3	

TOTAL NO. OF OBS : 1067

NOTES : \* = PERCENT < .05



# 1 - SURFACE WINDS

043319 : ATSUGI, JAPAN  
 PERIOD OF RECORD : 1951-1987  
 CLASS : ALL WEATHER  
 CONDITION : NONE SPECIFIED

LAT. : 35 27N LONG. : 139 27E ELEV. : 214 FT  
 MONTH : OCT  
 HOUR : ALL

## PERCENTAGE FREQUENCY OF WIND DIRECTION VS SPEED (FROM HOURLY OBSERVATIONS)

16 PT. DIR.		1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	SPEED (KNOTS)					TOTAL %		MEAN WIND SPEED
							22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	>= 56		
N	4.8	12.4	11.4	5.2	.5	.1	.0*	.0	.0	.0	.0	.0	34.5	7.2
NNE	1.8	4.7	4.3	1.9	.2	.0*	.0*	.0	.0	.0	.0	.0	12.9	7.2
NE	1.2	1.8	1.6	.5	.0*	.0	.0	.0	.0	.0	.0	.0	5.2	6.3
ENE	.6	1.0	.7	.1	.0*	.0	.0	.0	.0	.0	.0	.0	2.4	5.4
E	.7	.8	.6	.1	.0	.0	.0	.0	.0	.0	.0	.0	2.3	5.2
ESE	.7	.7	.4	.0*	.0	.0	.0	.0	.0	.0	.0	.0	1.6	5.1
SE	.4	.6	.2	.0*	.0	.0	.0	.0	.0	.0	.0	.0	1.3	4.7
SSE	.5	.6	.2	.1	.0*	.0	.0*	.0	.0	.0	.0	.0	1.4	5.4
S	.8	1.2	1.3	.8	.2	.1	.0*	.0	.0	.0	.0	.0	4.4	7.9
SSW	.5	.9	1.1	1.0	.4	.1	.0*	.0	.0	.0	.0	.0	3.9	9.4
SW	.4	.4	.3	.2	.1	.0*	.0	.0	.0	.0	.0	.0	1.4	7.7
WSW	.3	.2	.1	.1	.0*	.0*	.0	.0	.0	.0	.0	.0	.7	5.8
W	.3	.1	.0*	.0*	.0	.0	.0	.0	.0	.0	.0	.0	.4	3.4
WNW	.4	.2	.0*	.0*	.0	.0	.0	.0	.0	.0	.0	.0	.6	3.4
NW	1.0	1.4	.6	.2	.0*	.0	.0	.0	.0	.0	.0	.0	3.2	5.3
NNW	2.5	5.6	5.6	2.8	.2	.0*	.0	.0	.0	.0	.0	.0	16.8	7.3
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CLM	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	7.0	.0
LL	16.7	32.6	28.5	13.1	1.7	.3	.1	.0	.0	.0	.0	.0	100.0	6.5

TOTAL NO. OF OBS : 8311

NOTES : PERCENT < .05  
 \* = PERCENT < .05

## 2 - CEILING VS VISIBILITY

043319 : ATSUGI, JAPAN  
 PERIOD OF RECORD : 1951-1987  
 CLASS : ALL WEATHER  
 CONDITION : NONE SPECIFIED

LAT. : 35 27N LONG. : 139 27E ELEV. : 214 FT  
 MONTH : OCT  
 HOUR : 0000 LST

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

CEILING	VISIBILITY (STATUTE MILES)									
	>=10	>=6	>=5	>=4	>=3	>=2	1/2	>=1	1/4	>=1
UNLIMIT	21.7	31.2	35.7	38.9	42.7	43.8	44.7	45.7	45.7	45.8
>=20000	21.9	31.9	36.6	39.9	43.6	44.7	45.7	46.7	46.7	46.8
>=18000	21.9	31.9	36.6	39.9	43.6	44.9	45.8	46.8	46.8	47.0
>=16000	22.0	32.0	36.8	40.2	43.9	45.2	46.1	47.1	47.1	47.2
>=14000	22.3	32.5	37.5	40.9	44.6	45.8	47.0	47.9	47.9	48.1
>=12000	22.9	33.5	38.6	42.0	45.8	47.1	48.3	49.3	49.3	49.4
>=10000	24.2	36.0	41.6	45.6	50.1	51.4	52.6	53.6	53.6	53.7
>= 9000	24.5	36.7	42.2	46.3	51.0	52.2	53.6	54.7	54.7	54.8
>= 8000	25.5	38.5	44.5	48.5	53.6	55.0	56.4	57.5	57.5	57.6
>= 7000	26.7	40.4	47.0	51.2	56.6	58.0	59.4	60.5	60.5	60.7
>= 6000	27.1	41.4	48.2	52.6	58.2	59.6	60.9	62.0	62.0	62.2
>= 5000	29.4	46.7	54.3	59.1	64.7	66.2	67.7	69.0	69.0	69.1
>= 4500	30.5	48.5	56.6	61.6	67.6	69.3	70.8	72.0	72.0	72.2
>= 4000	31.2	49.9	58.2	63.6	69.8	71.7	73.5	74.8	74.8	74.9
>= 3500	32.0	52.1	60.7	66.3	72.9	74.8	76.9	78.1	78.1	78.3
>= 3000	32.7	53.5	62.2	68.4	75.3	77.3	79.5	80.7	80.7	80.9
>= 2500	32.8	55.7	64.7	71.3	78.3	80.3	82.8	84.2	84.3	84.5
>= 2000	33.1	57.8	67.2	74.2	81.2	83.2	86.0	87.8	88.0	88.1
>= 1800	33.2	58.2	67.6	74.8	81.7	83.8	86.6	88.4	88.5	88.9
>= 1500	33.7	59.0	68.4	75.9	83.0	85.2	88.6	90.4	90.6	91.0
>= 1200	33.9	59.4	69.0	76.7	84.2	86.8	90.9	92.9	93.1	93.6
>= 1000	33.8	60.0	69.7	77.8	85.3	88.1	92.1	94.2	94.3	94.9
>= 900	33.8	60.1	69.9	78.3	85.7	88.5	92.5	94.7	94.9	95.4
>= 800	33.8	60.2	70.2	78.7	86.3	89.2	93.4	95.6	95.7	96.7
>= 700	33.8	60.2	70.4	79.1	86.7	89.6	93.8	96.1	96.3	97.2
>= 600	33.8	60.2	70.4	79.1	86.7	89.6	93.9	96.3	96.5	97.5
>= 500	33.8	60.2	70.4	79.4	87.3	90.2	94.5	96.8	97.1	98.1
>= 400	33.8	60.2	70.4	79.4	87.3	90.3	94.9	97.2	97.6	98.6
>= 300	33.8	60.2	70.4	79.4	87.3	90.3	94.9	97.4	97.8	98.9
>= 200	33.8	60.2	70.4	79.4	87.3	90.3	94.9	97.4	97.8	98.9
>= 100	33.8	60.2	70.4	79.4	87.3	90.3	94.9	97.4	97.8	98.9
>= 0	33.8	60.2	70.4	79.4	87.3	90.3	94.9	97.4	97.8	98.9

TOTAL NO. OF OBS : 722

## 2 - CEILING VS VISIBILITY

043319 : ATSUGI, JAPAN  
 PERIOD OF RECORD : 1951-1987  
 CLASS : ALL WEATHER  
 CONDITION : NONE SPECIFIED

LAT. : 35 27N LONG. : 139 27E ELEV. : 214 FT  
 MONTH : OCT  
 HOUR : 0300 LST

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

CEILING	VISIBILITY (STATUTE MILES)															
	>=10	>=6	>=5	>=4	>=3	>=2	1/2	>=1	1/2	>=1	1/4	>=1	3/4	>=5/8	1/2	>=5/16
UNLIMIT	26.1	38.0	41.3	43.9	46.4	47.1	47.5	48.1	48.3	48.5	48.5	48.6	48.5	48.6	48.8	48.9
>=20000	26.2	38.7	42.0	44.9	47.4	48.1	48.5	49.0	49.3	49.4	49.4	49.6	49.4	49.6	49.7	49.9
>=18000	26.2	38.7	42.0	44.9	47.4	48.1	48.5	49.0	49.3	49.4	49.4	49.6	49.4	49.6	49.7	49.9
>=16000	26.2	38.7	42.0	44.9	47.4	48.1	48.5	49.0	49.3	49.4	49.4	49.6	49.4	49.6	49.7	49.9
>=14000	26.5	39.2	42.5	45.4	47.9	48.6	49.0	49.6	49.9	50.0	50.0	50.1	50.0	50.1	50.3	50.4
>=12000	27.2	40.7	44.1	47.1	49.6	50.4	50.8	51.4	51.7	51.8	51.8	51.9	51.8	52.1	52.1	52.2
>=10000	28.9	43.1	46.7	50.3	52.9	53.7	54.3	55.0	55.2	55.4	55.4	55.5	55.4	55.7	55.7	55.8
>= 9000	29.1	43.6	47.2	50.8	53.6	54.4	55.0	55.7	55.9	56.1	56.1	56.2	56.1	56.4	56.4	56.5
>= 8000	30.1	45.4	49.2	53.3	56.1	57.0	57.7	58.6	58.8	59.0	59.0	59.1	59.3	59.4	59.4	59.4
>= 7000	30.8	47.0	51.2	55.5	58.3	59.3	60.1	60.9	61.2	61.3	61.3	61.5	61.3	61.6	61.7	61.7
>= 6000	32.3	49.0	53.3	57.7	60.5	61.5	62.3	63.1	63.4	63.5	63.5	63.7	63.8	63.8	64.0	64.0
>= 5000	34.9	53.3	58.3	63.3	66.3	67.4	68.2	69.2	69.5	69.6	69.6	69.8	69.9	69.9	70.0	70.0
>= 4500	35.9	55.1	60.4	65.3	68.8	70.0	70.9	71.8	72.1	72.2	72.2	72.4	72.5	72.5	72.7	72.7
>= 4000	36.9	56.9	62.4	67.5	71.3	72.5	73.3	74.3	74.6	74.7	74.7	74.9	75.0	75.0	75.1	75.1
>= 3500	37.8	59.3	65.1	70.2	74.2	75.4	76.2	77.2	77.5	77.6	77.6	77.8	77.9	77.9	78.0	78.0
>= 3000	38.5	61.3	67.3	72.8	77.1	78.3	79.3	80.2	80.5	80.8	80.8	80.9	81.1	81.1	81.2	81.2
>= 2500	39.1	63.1	69.2	75.1	79.8	81.2	82.2	83.3	83.6	83.8	83.8	84.0	84.1	84.1	84.3	84.3
>= 2000	39.6	64.9	71.0	77.8	82.9	84.4	85.4	86.5	86.7	87.0	87.0	87.2	87.3	87.3	87.4	87.4
>= 1800	39.6	65.1	71.1	77.9	83.0	84.7	85.8	87.0	87.3	87.6	87.6	87.7	87.8	87.8	88.0	88.0
>= 1500	39.9	65.6	72.8	79.7	85.4	87.2	88.8	90.1	90.3	90.6	90.7	90.9	91.0	91.0	91.2	91.2
>= 1200	39.9	66.2	73.6	80.7	86.6	88.8	90.7	92.0	92.3	92.7	92.8	93.0	93.1	93.1	93.2	93.2
>= 1000	40.1	66.6	74.3	81.4	87.7	90.1	92.3	93.5	93.8	94.2	94.3	94.5	94.8	94.8	94.9	94.9
>= 900	40.1	66.7	74.4	81.5	87.8	90.2	92.4	93.8	94.1	94.5	94.6	94.8	95.0	95.0	95.2	95.2
>= 800	40.1	67.1	74.9	82.0	88.8	91.3	93.6	95.0	95.3	95.9	96.0	96.1	96.4	96.4	96.5	96.5
>= 700	40.1	67.3	75.0	82.3	89.4	91.9	94.5	96.0	96.3	97.0	97.1	97.2	97.5	97.5	97.7	97.7
>= 600	40.1	67.3	75.0	82.3	89.4	91.9	94.5	96.0	96.3	97.1	97.2	97.4	97.7	97.7	97.8	97.8
>= 500	40.1	67.4	75.1	82.5	89.9	92.5	95.2	97.0	97.2	98.1	98.2	98.3	98.6	98.6	98.8	98.8
>= 400	40.1	67.4	75.1	82.5	90.1	92.7	95.3	97.2	97.7	98.5	98.8	98.9	99.2	99.2	99.3	99.3
>= 300	40.1	67.4	75.1	82.5	90.1	92.7	95.3	97.4	97.8	98.6	98.9	99.0	99.3	99.3	99.4	99.4
>= 200	40.1	67.4	75.1	82.5	90.1	92.7	95.3	97.4	97.8	98.6	98.9	99.0	99.4	99.4	99.6	99.6
>= 100	40.1	67.4	75.1	82.5	90.1	92.7	95.3	97.4	97.8	98.6	98.9	99.0	99.4	99.4	99.6	99.6
>= 0	40.1	67.4	75.1	82.5	90.1	92.7	95.3	97.4	97.8	98.6	98.9	99.0	99.4	99.4	99.6	100.0

TOTAL NO. OF OBS : 724

## 2 - CEILING VS VISIBILITY

043319 : ATSUGI, JAPAN  
PERIOD OF RECORD : 1951-1987  
CLASS : ALL WEATHER  
CONDITION : NONE SPECIFIED

LAT. : 35 27N LONG. : 139 27E ELEV. : 214 FT  
MONTH : OCT  
HOUR : 0600 LST

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

CEILING	VISIBILITY (STATUTE MILES)									
	>=10	>=6	>=5	>=4	>=3	>=2	1/2	>=1	1/4	>=0
UNLIMIT	24.0	30.6	33.0	36.3	41.0	41.7	42.7	43.5	43.7	44.1
>=20000	24.2	31.2	33.8	37.3	41.9	42.7	43.6	44.4	44.6	45.2
>=18000	24.3	31.4	34.2	37.6	42.3	43.1	44.0	44.8	45.0	45.6
>=16000	24.3	31.4	34.2	37.6	42.3	43.1	44.1	44.9	45.2	45.7
>=14000	24.3	31.8	34.6	38.0	42.8	43.7	44.8	45.6	45.8	46.4
>=12000	24.8	33.6	36.5	40.3	45.2	46.2	47.4	48.3	48.6	49.1
>=10000	26.2	36.1	39.2	43.3	48.2	49.3	50.5	51.5	51.8	52.3
>= 9000	26.8	37.4	40.6	44.8	49.7	50.7	51.9	53.0	53.2	53.8
>= 8000	27.6	39.2	42.9	47.2	52.3	53.4	54.6	55.7	56.0	56.5
>= 7000	28.8	41.7	45.4	49.7	54.8	56.1	57.3	58.5	58.8	59.3
>= 6000	29.9	43.2	46.9	51.1	56.4	57.7	58.9	60.1	60.4	60.9
>= 5000	32.5	47.3	51.1	55.9	61.4	62.7	63.9	65.3	65.5	66.1
>= 4500	33.7	50.6	54.4	59.4	65.1	66.6	67.8	69.2	69.5	70.0
>= 4000	34.7	53.0	57.3	62.4	68.0	69.7	70.9	72.4	72.7	73.2
>= 3500	36.6	55.4	59.8	65.0	71.1	72.9	74.5	76.1	76.4	76.9
>= 3000	37.8	57.5	62.7	68.3	74.5	76.4	78.1	79.7	80.1	80.6
>= 2500	38.3	58.9	64.5	70.4	76.6	78.9	80.7	82.6	83.0	83.5
>= 2000	38.8	60.2	66.1	72.7	79.7	82.0	84.1	86.1	86.5	87.1
>= 1800	38.8	60.2	66.1	72.8	80.1	82.4	84.7	86.7	87.1	87.6
>= 1500	39.1	60.8	66.6	73.3	80.8	83.5	86.3	88.4	89.0	89.6
>= 1200	39.1	60.9	66.8	73.7	81.8	84.7	87.7	90.1	90.8	91.4
>= 1000	39.1	61.2	67.1	74.2	82.4	85.6	88.8	91.3	92.1	92.9
>= 900	39.1	61.2	67.1	74.2	82.6	85.7	89.0	91.7	92.5	93.3
>= 800	39.1	61.3	67.4	74.6	83.0	86.4	90.0	92.7	93.5	94.3
>= 700	39.1	61.3	67.4	74.6	83.0	86.5	90.2	93.4	94.5	95.2
>= 600	39.1	61.3	67.4	74.8	83.1	86.8	91.0	94.2	95.2	96.2
>= 500	39.1	61.3	67.5	74.9	83.2	87.2	91.7	94.8	95.9	96.8
>= 400	39.1	61.3	67.6	75.0	83.4	87.5	91.9	95.2	96.3	97.5
>= 300	39.1	61.3	67.6	75.0	83.4	87.5	91.9	95.2	96.3	97.5
>= 200	39.1	61.3	67.6	75.0	83.4	87.5	91.9	95.2	96.3	97.5
>= 100	39.1	61.3	67.6	75.0	83.4	87.5	91.9	95.2	96.3	97.5
>= 0	39.1	61.3	67.6	75.0	83.4	87.5	91.9	95.2	96.3	97.5

TOTAL NO. OF OBS : 757

## 2 - CEILING VS VISIBILITY

043319 : ATSUJI, JAPAN  
PERIOD OF RECORD : 1951-1987  
CLASS : ALL WEATHER  
CONDITION : NONE SPECIFIED

LAT. : 35 27N LONG. : 139 27E ELEV. : 214 FT  
MONTH : OCT  
HOUR : 0900 LST

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

CEILING	VISIBILITY (STATUTE MILES)										
	>=10	>=6	>=5	>=4	>=3	>=2	1/2	>=1	1/4	>=1	>=3/4
UNLIMIT	25.8	31.0	36.5	40.7	44.6	45.6	46.0	46.2	46.2	46.5	46.6
>=20000	26.9	32.4	37.8	42.0	46.1	47.0	47.4	47.7	47.7	48.0	48.1
>=18000	26.9	32.4	37.8	42.0	46.1	47.0	47.4	47.7	47.7	48.0	48.1
>=16000	27.2	32.9	38.3	42.5	46.6	47.6	48.0	48.2	48.2	48.5	48.6
>=14000	28.1	34.2	39.8	44.0	48.1	49.0	49.5	49.8	49.8	50.1	50.2
>=12000	29.2	35.9	42.1	46.4	50.7	51.8	52.3	52.6	52.6	52.8	53.0
>=10000	30.0	37.3	43.6	48.0	53.0	54.2	54.8	55.2	55.2	55.5	55.6
>= 9000	30.1	37.8	44.4	48.7	53.8	55.0	55.6	56.0	56.0	56.3	56.4
>= 8000	31.2	39.6	46.8	51.4	57.1	58.3	58.9	59.6	59.6	59.8	60.0
>= 7000	32.0	41.2	48.6	53.4	59.2	60.5	61.2	61.8	61.8	62.2	62.4
>= 6000	32.9	43.2	50.6	55.5	61.3	62.7	63.4	64.1	64.1	64.5	64.6
>= 5000	35.4	48.5	56.5	61.7	67.9	69.5	70.1	70.9	71.1	71.6	71.7
>= 4500	36.7	50.9	59.6	64.9	71.6	73.3	74.0	74.8	74.9	75.4	75.6
>= 4000	38.0	53.2	62.4	67.9	74.9	77.0	77.7	78.5	78.6	79.1	79.3
>= 3500	38.3	54.4	63.5	69.9	77.3	79.5	80.2	81.0	81.1	81.6	81.8
>= 3000	39.7	55.7	65.0	71.5	79.3	81.6	82.6	83.4	83.5	84.0	84.1
>= 2500	39.1	57.7	67.6	74.4	82.2	85.1	86.4	87.2	87.3	88.0	88.1
>= 2000	39.2	58.7	68.7	75.8	84.1	87.7	89.0	90.1	90.2	90.9	91.0
>= 1800	39.2	58.8	68.8	76.1	84.4	88.0	89.3	90.4	90.5	91.1	91.3
>= 1500	39.2	58.9	69.1	76.6	85.3	89.3	90.6	92.2	92.3	93.0	93.1
>= 1200	39.2	59.2	69.4	77.0	86.0	90.0	91.5	93.4	93.7	94.3	94.5
>= 1000	39.2	59.2	69.4	77.0	86.0	90.0	91.5	93.4	93.7	94.3	94.5
>= 900	39.2	59.2	69.4	77.0	86.3	90.4	91.9	93.8	94.2	94.8	95.0
>= 800	39.2	59.4	69.6	77.3	86.7	91.0	93.1	95.1	95.5	96.2	96.4
>= 700	39.2	59.4	69.6	77.3	86.8	91.4	93.7	95.8	96.2	97.0	97.4
>= 600	39.2	59.4	69.7	77.4	86.9	91.7	94.2	96.4	96.8	97.6	98.3
>= 500	39.2	59.4	69.7	77.4	86.9	92.1	94.6	97.2	97.8	98.7	99.6
>= 400	39.2	59.4	69.7	77.4	86.9	92.1	94.7	97.5	98.0	98.9	99.9
>= 300	39.2	59.4	69.7	77.4	86.9	92.1	94.7	97.6	98.2	99.1	100.0
>= 200	39.2	59.4	69.7	77.4	86.9	92.1	94.7	97.6	98.2	99.1	100.0
>= 100	39.2	59.4	69.7	77.4	86.9	92.1	94.7	97.6	98.2	99.1	100.0
>= 0	39.2	59.4	69.7	77.4	86.9	92.1	94.7	97.6	98.2	99.1	100.0

TOTAL NO. OF OBS : 757

## 2 - CEILING VS VISIBILITY

043319 : ATSUGI, JAPAN  
PERIOD OF RECORD : 1951-1987  
CLASS : ALL WEATHER  
CONDITION : NONE SPECIFIED

LAT. : 35 27N LONG. : 139 27E ELEV. : 214 FT  
MONTH : OCT  
HOUR : 1200 LST

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)												
VISIBILITY (STATUTE MILES)												
CEILING	>=10	>=6	>=5	>=4	>=3	>=2	1/2	>=2	>=1	1/2	>=1	1/4
>=10	>=6	>=5	>=4	>=3	>=2	1/2	>=2	>=1	1/2	>=1	1/4	>=0
UNLIMIT	30.9	38.0	41.6	43.6	45.5	45.7	45.7	45.7	45.7	45.7	45.7	45.7
>=20000	32.6	40.5	44.1	46.1	48.0	48.3	48.3	48.3	48.3	48.3	48.3	48.3
>=18000	32.8	40.9	44.7	46.8	48.7	48.9	48.9	48.9	48.9	48.9	48.9	48.9
>=16000	32.9	41.3	45.1	47.2	49.2	49.5	49.5	49.5	49.5	49.5	49.5	49.5
>=14000	33.7	42.5	46.5	48.9	50.9	51.2	51.2	51.2	51.2	51.2	51.2	51.2
>=12000	34.2	44.5	48.7	51.5	53.7	54.0	54.1	54.1	54.1	54.1	54.1	54.1
>=10000	35.4	47.1	51.7	54.5	57.0	57.6	57.9	57.9	57.9	57.9	57.9	57.9
>=9000	35.6	47.6	52.3	55.1	57.5	58.2	58.4	58.4	58.4	58.4	58.4	58.4
>=8000	36.1	49.7	54.8	58.6	61.4	62.0	62.3	62.3	62.3	62.3	62.3	62.3
>=7000	36.8	50.9	56.3	60.3	63.5	64.2	64.6	64.6	64.6	64.6	64.6	64.6
>=6000	37.4	52.3	57.6	61.8	65.2	65.9	66.3	66.3	66.3	66.3	66.3	66.3
>=5000	39.3	56.7	62.7	67.6	71.4	72.1	72.3	72.6	72.6	72.6	72.6	72.6
>=4500	39.3	57.8	63.9	69.1	73.7	74.3	74.9	74.9	74.9	74.9	74.9	74.9
>=4000	39.8	59.2	66.3	71.5	76.2	77.0	77.5	77.5	77.5	77.5	77.5	77.5
>=3500	40.2	60.4	67.9	73.4	78.3	79.4	79.9	79.9	79.9	79.9	79.9	79.9
>=3000	41.0	62.3	70.5	76.3	81.6	82.8	83.4	83.4	83.4	83.4	83.4	83.4
>=2500	41.6	64.2	72.3	78.6	84.1	85.7	86.5	86.8	86.8	86.8	86.8	86.8
>=2000	41.8	65.2	73.5	80.1	85.8	87.6	88.5	88.8	89.2	89.2	89.2	89.2
>=1800	42.0	65.4	73.8	80.3	86.2	88.0	89.3	89.6	90.0	90.0	90.0	90.0
>=1500	42.2	65.8	74.3	81.1	87.6	89.7	91.2	91.7	92.4	92.5	92.5	92.5
>=1200	42.2	66.0	74.6	81.7	88.1	90.6	92.2	92.9	94.0	94.1	94.1	94.1
>=1000	42.4	66.6	75.1	82.4	89.0	91.7	93.4	94.3	95.3	95.5	95.5	95.5
>=900	42.4	66.6	75.1	82.4	89.2	92.1	94.0	95.2	96.0	96.1	96.1	96.1
>=800	42.4	66.7	75.4	82.6	90.0	92.9	94.9	95.9	96.9	97.1	97.1	97.1
>=700	42.4	66.7	75.4	82.9	90.2	93.3	95.5	96.4	97.7	97.9	97.9	97.9
>=600	42.4	66.7	75.4	82.9	90.4	93.4	96.0	97.1	98.7	98.9	98.9	98.9
>=500	42.4	66.7	75.4	82.9	90.4	93.4	96.3	97.7	98.1	98.9	98.9	98.9
>=400	42.4	66.7	75.4	82.9	90.4	93.4	96.3	97.7	98.1	98.9	98.9	98.9
>=300	42.4	66.7	75.4	83.0	90.5	93.6	96.4	97.9	98.4	99.6	99.6	99.6
>=200	42.4	66.7	75.4	83.0	90.5	93.6	96.4	97.9	98.4	99.6	99.6	99.6
>=100	42.4	66.7	75.4	83.0	90.5	93.6	96.4	97.9	98.4	99.6	99.6	99.6
>=0	42.4	66.7	75.4	83.0	90.5	93.6	96.4	97.9	98.4	99.6	99.6	99.6

TOTAL NO. OF OBS : 748

## 2 - CEILING VS VISIBILITY

043319 : ATSUJI, JAPAN  
 PERIOD OF RECORD : 1951-1987  
 CLASS : ALL WEATHER  
 CONDITION : NONE SPECIFIED

LAT. : 35 27N LONG. : 139 27E ELEV. : 214 FT  
 MONTH : OCT  
 HOUR : 1500 LST

PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)

CEILING	VISIBILITY (STATUTE MILES)									
	>=10	>=6	>=5	>=4	>=3	>=2	1/2	>=1	1/2	>=1/4
UNLIMIT	28.1	36.8	40.8	42.3	43.9	44.2	44.3	44.3	44.3	44.3
>=20000	29.0	38.4	42.7	44.2	45.9	46.2	46.3	46.3	46.3	46.3
>=18000	29.1	38.5	43.0	44.6	46.4	46.7	46.8	46.8	46.8	46.8
>=16000	29.4	38.9	43.4	45.0	46.8	47.1	47.4	47.4	47.4	47.4
>=14000	30.5	40.8	45.5	47.1	49.0	49.4	49.7	49.7	49.7	49.7
>=12000	32.1	43.4	48.5	50.5	52.8	53.2	53.6	53.6	53.6	53.6
>=10000	32.8	45.2	50.5	52.9	55.8	56.4	56.8	56.9	56.9	56.9
>= 8000	32.8	45.5	50.7	53.2	56.1	56.6	57.0	57.2	57.2	57.2
>= 6000	33.8	48.6	54.8	57.6	60.8	61.5	61.9	62.0	62.0	62.0
>= 4000	34.5	49.7	56.4	59.3	62.7	63.5	63.9	64.0	64.0	64.0
>= 3000	34.8	50.1	56.9	60.0	63.4	64.2	64.6	64.7	64.7	64.7
>= 2000	36.2	54.6	62.6	66.0	70.2	71.1	71.5	71.8	71.8	71.8
>= 1800	36.9	56.0	64.0	67.5	71.8	73.0	73.4	73.8	73.8	73.8
>= 1500	38.4	58.9	67.5	71.4	76.5	77.9	78.5	79.1	79.2	79.2
>= 1200	39.1	60.7	69.4	73.7	78.8	80.3	81.1	81.6	81.7	81.7
>= 1000	39.3	62.6	71.8	76.5	82.3	83.9	84.7	85.0	85.6	85.6
>= 900	39.5	63.9	73.4	78.4	84.3	86.0	87.4	88.2	88.3	88.3
>= 800	39.7	64.8	74.6	80.1	86.3	88.5	90.1	90.9	91.0	91.0
>= 700	39.7	65.1	75.0	81.1	87.9	90.3	92.5	93.6	93.8	93.8
>= 600	39.9	65.4	75.8	82.0	89.1	91.8	94.1	95.2	95.4	95.4
>= 500	39.9	65.4	76.0	82.3	89.5	92.3	95.0	96.2	96.1	96.1
>= 400	39.9	65.8	76.5	82.8	90.1	92.9	94.5	96.2	96.5	96.5
>= 300	39.9	65.8	76.6	83.0	90.2	93.4	95.4	97.3	97.4	97.4
>= 200	39.9	65.8	76.6	83.0	90.2	93.4	95.7	97.6	97.9	97.9
>= 100	39.9	65.8	76.6	83.0	90.3	93.6	95.8	97.7	98.7	98.8
>= 0	39.9	65.8	76.6	83.0	90.3	93.6	95.8	97.7	98.3	98.3
>= 0	39.9	65.8	76.6	83.0	90.3	93.6	95.8	97.7	98.3	98.3

TOTAL NO. OF OBS : 745

## 2 - CEILING VS VISIBILITY

043319 : ATSUGI, JAPAN  
 PERIOD OF RECORD : 1951-1987  
 CLASS : ALL WEATHER  
 CONDITION : NONE SPECIFIED

LAT. : 35 27N LONG. : 139 27E ELEV. : 214 FT  
 MONTH : OCT  
 HOUR : 1800 LST

PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)

CEILING	VISIBILITY (STATUTE MILES)															
	>=10	>=6	>=5	>=4	>=3	>=2 1/2	>=2	>=1 1/2	>=1 1/4	>=1	>=3/4	>=5/8	>=1/2	>=5/16	>=1/4	>=0
UNLIMIT	19.5	28.1	33.0	36.8	40.9	42.8	44.2	44.5	44.5	44.8	44.9	44.9	44.9	44.9	44.9	44.9
>=20000	20.2	29.2	34.4	38.2	42.2	44.1	45.6	46.0	46.0	46.3	46.4	46.4	46.4	46.4	46.4	46.4
>=18000	20.2	29.2	34.4	38.2	42.2	44.1	45.7	46.1	46.1	46.4	46.5	46.5	46.5	46.5	46.5	46.5
>=16000	20.2	29.4	34.5	38.4	42.5	44.4	46.0	46.4	46.4	46.7	46.8	46.8	46.8	46.8	46.8	46.8
>=14000	20.6	29.9	35.2	39.4	43.4	45.5	47.1	47.5	47.5	47.8	47.9	47.9	47.9	47.9	47.9	47.9
>=12000	20.8	30.9	36.4	40.6	45.3	47.6	49.4	49.9	49.9	50.2	50.3	50.3	50.3	50.3	50.3	50.3
>=10000	21.2	31.9	37.9	42.6	47.8	50.3	52.2	52.8	52.8	53.0	53.2	53.2	53.2	53.2	53.2	53.2
>= 9000	21.8	32.9	39.1	44.1	49.3	51.8	53.7	54.4	54.4	54.7	54.8	54.8	54.8	54.8	54.8	54.8
>= 8000	22.3	34.5	41.7	47.2	53.0	56.0	58.1	58.7	58.7	59.0	59.1	59.1	59.1	59.1	59.1	59.1
>= 7000	22.9	35.6	43.2	49.0	54.8	57.8	59.8	60.5	60.5	60.8	60.9	60.9	60.9	60.9	60.9	60.9
>= 6000	23.4	36.4	44.1	50.5	56.4	59.5	61.7	62.4	62.4	62.7	62.8	62.8	62.8	62.8	62.8	62.8
>= 5000	24.0	38.8	47.6	54.3	60.9	64.5	67.4	68.1	68.1	68.5	68.6	68.6	68.6	68.6	68.6	68.6
>= 4500	24.6	40.9	49.9	57.0	64.4	68.3	71.3	72.0	72.0	72.4	72.5	72.5	72.5	72.5	72.5	72.5
>= 4000	25.2	42.2	51.6	59.9	67.7	71.9	75.4	76.2	76.2	76.6	76.7	76.7	76.7	76.7	76.7	76.7
>= 3500	25.3	43.7	53.5	62.1	70.2	75.0	78.6	79.4	79.4	79.8	80.0	80.0	80.0	80.0	80.0	80.0
>= 3000	25.8	45.5	55.9	64.7	73.5	78.5	82.3	83.1	83.1	83.5	83.6	83.6	83.6	83.6	83.6	83.6
>= 2500	26.0	46.0	57.0	66.4	75.6	80.9	84.8	85.7	85.7	86.1	86.2	86.2	86.2	86.2	86.2	86.2
>= 2000	26.4	47.4	58.6	68.7	78.6	84.3	88.2	89.3	89.3	89.9	90.1	90.1	90.1	90.1	90.1	90.1
>= 1800	26.4	47.5	58.7	68.9	78.9	84.6	88.8	89.9	90.0	90.5	90.8	90.8	90.8	90.8	90.8	90.8
>= 1500	26.4	47.9	59.4	69.7	80.2	86.3	90.9	92.4	92.6	93.2	93.6	93.6	93.6	93.6	93.6	93.6
>= 1200	26.5	48.2	59.8	70.1	80.6	86.9	91.7	93.8	93.9	94.7	95.1	95.1	95.1	95.1	95.1	95.1
>= 1000	26.5	48.2	59.8	70.1	80.6	87.1	92.3	94.3	94.5	95.5	96.1	96.1	96.1	96.1	96.1	96.1
>= 900	26.5	48.2	59.8	70.1	80.6	87.3	92.4	94.5	94.6	95.9	96.5	96.5	96.5	96.5	96.5	96.5
>= 800	26.5	48.2	59.8	70.2	80.9	87.7	92.8	95.0	95.1	96.8	97.3	97.3	97.3	97.3	97.3	97.3
>= 700	26.5	48.2	59.8	70.2	81.1	87.8	93.0	95.3	95.4	97.0	97.6	97.6	97.6	97.6	97.6	97.6
>= 600	26.5	48.3	59.9	70.4	81.2	88.0	93.5	95.8	95.9	97.7	98.4	98.4	98.4	98.4	98.4	98.4
>= 500	26.5	48.3	60.1	70.8	81.6	88.5	94.3	96.8	97.0	98.8	99.5	99.5	99.6	99.6	99.6	99.6
>= 400	26.5	48.3	60.1	70.8	81.6	89.5	94.3	96.9	97.2	99.1	99.7	99.7	99.9	99.9	99.9	99.9
>= 300	26.5	48.3	60.1	70.8	81.7	88.6	94.5	97.0	97.3	99.2	99.9	99.9	100.0	100.0	100.0	100.0
>= 200	26.5	48.3	60.1	70.8	81.7	88.6	94.5	97.0	97.3	99.2	99.9	99.9	100.0	100.0	100.0	100.0
>= 100	26.5	48.3	60.1	70.8	81.7	88.6	94.5	97.0	97.3	99.2	99.9	99.9	100.0	100.0	100.0	100.0
>= 0	26.5	48.3	60.1	70.8	81.7	88.6	94.5	97.0	97.3	99.2	99.9	99.9	100.0	100.0	100.0	100.0

TOTAL NO. OF OBS : 739



## 2 - CEILING VS VISIBILITY

043319 : ATSUGI, JAPAN  
 PERIOD OF RECORD : 1951-1987  
 CLASS : ALL WEATHER  
 CONDITION : NONE SPECIFIED

LAT. : 35 27N LONG. : 139 27E ELEV. : 214 FT  
 MONTH : OCT  
 HOUR : 2100 LST

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

CEILING	VISIBILITY (STATUTE MILES)									
	>=10	>=6	>=5	>=4	>=3	>=2	1/2	>=1	1/2	>=1 1/4
UNLIMIT	20.2	27.6	32.8	35.7	41.8	42.6	44.5	45.0	45.3	45.4
>=20000	20.6	28.2	33.4	36.6	42.7	43.5	45.4	45.9	46.2	46.3
>=18000	20.6	28.4	33.6	36.8	42.9	43.7	45.5	46.1	46.3	46.5
>=16000	20.8	28.6	33.8	37.0	43.1	43.9	45.8	46.3	46.6	46.7
>=14000	21.3	29.6	35.0	38.2	44.5	45.4	47.3	47.8	48.1	48.2
>=12000	21.6	30.0	35.8	39.3	45.8	46.9	49.0	49.7	49.9	50.1
>=10000	22.5	32.8	39.0	43.0	49.7	51.1	53.3	53.9	54.2	54.5
>=9000	22.6	33.3	39.7	43.7	50.9	52.5	54.7	55.4	55.7	55.9
>=8000	23.7	35.6	42.3	46.3	53.8	55.5	58.1	58.7	59.0	59.3
>=7000	24.4	37.0	43.9	48.1	55.5	57.5	60.1	60.7	61.0	61.3
>=6000	25.2	38.3	45.4	50.1	58.1	60.1	62.6	63.4	63.6	63.9
>=5000	26.4	43.0	50.5	55.4	63.8	66.2	69.2	70.0	70.3	70.6
>=4500	27.0	44.3	52.3	57.8	66.4	69.1	72.2	73.0	73.2	73.5
>=4000	28.0	46.1	54.2	60.5	69.9	73.1	76.2	77.0	77.2	77.5
>=3500	28.6	47.8	56.3	63.0	72.7	75.9	79.0	79.8	80.0	80.3
>=3000	28.9	49.3	58.3	65.0	75.0	78.7	82.2	83.0	83.2	83.5
>=2500	29.3	50.2	59.9	67.0	77.5	81.2	84.8	85.6	85.9	86.2
>=2000	29.8	51.8	61.9	69.5	80.7	85.0	88.8	89.6	89.9	90.1
>=1800	30.1	52.5	62.8	70.6	81.9	86.4	90.3	91.1	91.3	91.6
>=1500	30.2	52.9	63.2	71.2	83.1	87.6	91.6	92.4	92.7	93.1
>=1200	30.4	53.0	63.8	71.8	84.0	88.9	92.9	94.0	94.4	94.8
>=1000	30.4	53.0	63.8	72.0	84.3	89.3	93.3	94.7	95.1	95.5
>=900	30.4	53.0	63.8	72.0	84.3	89.3	93.5	95.1	95.5	95.9
>=800	30.4	53.1	63.9	72.2	84.6	90.0	94.1	96.1	96.5	96.9
>=700	30.4	53.1	63.9	72.3	84.7	90.1	94.4	96.4	96.8	97.2
>=600	30.4	53.1	63.9	72.3	84.7	90.3	94.8	96.9	97.3	97.9
>=500	30.4	53.3	64.0	72.6	85.2	90.9	95.5	97.6	98.0	98.5
>=400	30.4	53.3	64.0	72.7	85.4	91.1	95.7	97.9	98.3	98.9
>=300	30.4	53.3	64.0	72.7	85.5	91.2	95.9	98.1	98.5	99.3
>=200	30.4	53.3	64.0	72.7	85.5	91.2	95.9	98.1	98.5	99.3
>=100	30.4	53.3	64.0	72.7	85.5	91.2	95.9	98.1	98.5	99.3
>=0	30.4	53.3	64.0	72.7	85.5	91.2	95.9	98.1	98.5	99.3

TOTAL NO. OF OBS : 751

## 2 - CEILING VS VISIBILITY

043319 : ATSUGI, JAPAN  
 PERIOD OF RECORD : 1951-1987  
 CLASS : ALL WEATHER  
 CONDITION : NONE SPECIFIED

LAT. : 35 27N LONG. : 139 27E ELEV. : 214 FT  
 MONTH : OCT  
 HOUR : ALL

PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)

CEILING	VISIBILITY (STATUTE MILES)																		
	>=10	>=6	>=5	>=4	>=3	>=2	1/2	>=1	1/2	>=1	1/4	>=1	>=3/4	>=5/8	>=1/2	>=5/16	>=1/4	>=0	
UNLIMIT	24.5	32.6	36.8	39.8	43.3	44.2	44.9	45.4	45.5	45.6	45.7	45.8	45.8	45.8	45.8	45.8	45.8	45.9	
>=20000	25.2	33.8	38.1	41.1	44.7	45.6	46.3	46.8	46.9	47.1	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.3	
>=18000	25.3	33.9	38.2	41.3	44.9	45.8	46.6	47.0	47.1	47.3	47.4	47.4	47.4	47.4	47.5	47.5	47.5	47.6	
>=16000	25.4	34.1	38.5	41.6	45.2	46.1	46.9	47.3	47.5	47.6	47.7	47.7	47.8	47.8	47.8	47.8	47.8	47.9	
>=14000	25.9	35.1	39.6	42.7	46.4	47.3	48.2	48.6	48.7	48.9	49.0	49.0	49.1	49.1	49.1	49.1	49.1	49.2	
>=12000	26.6	36.5	41.3	44.7	48.6	49.7	50.6	51.1	51.2	51.4	51.5	51.5	51.6	51.5	51.6	51.6	51.6	51.7	
>=10000	27.7	38.7	43.8	47.5	51.8	53.0	54.0	54.6	54.7	54.9	55.0	55.0	55.1	55.0	55.1	55.1	55.1	55.2	
>= 9000	27.9	39.3	44.5	48.3	52.7	53.9	55.0	55.6	55.7	55.9	56.0	56.0	56.1	56.0	56.1	56.1	56.1	56.2	
>= 8000	28.8	41.4	47.1	51.3	56.0	57.3	58.5	59.1	59.2	59.4	59.5	59.6	59.6	59.6	59.6	59.6	59.7	59.8	
>= 7000	29.6	42.9	49.0	53.3	58.2	59.6	60.8	61.4	61.6	61.8	61.9	61.9	62.0	62.0	62.0	62.0	62.0	62.1	
>= 6000	30.4	44.2	50.4	54.9	59.9	61.4	62.6	63.3	63.4	63.6	63.7	63.7	63.8	63.8	63.8	63.8	63.8	63.9	
>= 5000	32.3	48.6	55.4	60.4	65.8	67.5	68.8	69.6	69.7	70.0	70.1	70.1	70.2	70.2	70.2	70.2	70.2	70.3	
>= 4500	33.1	50.5	57.6	62.8	68.7	70.5	71.8	72.6	72.8	73.1	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.4	
>= 4000	34.0	52.4	60.0	65.6	71.8	73.9	75.3	76.2	76.3	76.6	76.7	76.7	76.8	76.7	76.8	76.8	76.8	76.9	
>= 3500	34.8	54.2	62.0	67.9	74.4	76.7	78.2	79.1	79.2	79.5	79.6	79.7	79.7	79.7	79.7	79.7	79.7	79.9	
>= 3000	35.3	55.9	64.2	70.4	77.3	79.7	81.4	82.3	82.4	82.8	82.9	82.9	83.0	82.9	83.0	83.0	83.0	83.1	
>= 2500	35.7	57.5	66.1	72.7	79.8	82.4	84.4	85.3	85.5	85.9	86.0	86.0	86.1	86.0	86.1	86.1	86.1	86.2	
>= 2000	36.1	58.8	67.7	74.9	82.4	85.3	87.4	88.5	88.7	89.1	89.3	89.3	89.4	89.3	89.4	89.4	89.4	89.5	
>= 1800	36.2	59.0	67.9	75.2	82.9	85.8	88.0	89.2	89.4	89.8	90.0	90.0	90.1	90.0	90.1	90.1	90.1	90.2	
>= 1500	36.3	59.5	68.6	76.1	84.2	87.4	89.9	91.3	91.5	92.1	92.3	92.3	92.4	92.3	92.4	92.4	92.4	92.5	
>= 1200	36.4	59.8	69.1	76.7	85.1	88.6	91.3	92.9	93.2	93.8	94.1	94.1	94.2	94.1	94.2	94.2	94.2	94.3	
>= 1000	36.4	60.0	69.4	77.1	85.6	89.3	92.2	93.8	94.2	94.9	95.1	95.1	95.2	95.1	95.2	95.2	95.3	95.4	
>= 900	36.4	60.0	69.4	77.2	85.7	89.5	92.4	94.2	94.5	95.3	95.5	95.5	95.6	95.5	95.6	95.6	95.7	95.8	
>= 800	36.4	60.2	69.7	77.5	86.3	90.2	93.3	95.2	95.5	96.3	96.6	96.6	96.7	96.6	96.8	96.8	96.8	96.9	
>= 700	36.4	60.2	69.7	77.7	86.5	90.4	93.7	95.7	96.1	97.0	97.3	97.3	97.4	97.3	97.5	97.5	97.5	97.6	
>= 600	36.4	60.3	69.8	77.7	86.6	90.6	94.1	96.2	96.6	97.6	98.0	98.0	98.1	98.0	98.2	98.2	98.2	98.3	
>= 500	36.4	60.3	69.8	77.9	86.8	91.0	94.7	96.9	97.4	98.4	98.8	98.9	98.9	98.9	99.0	99.0	99.1	99.1	
>= 400	36.4	60.3	69.9	77.9	86.9	91.1	94.9	97.2	97.6	98.7	99.2	99.3	99.3	99.3	99.4	99.4	99.4	99.5	
>= 300	36.4	60.3	69.9	77.9	86.9	91.2	94.9	97.3	97.8	98.9	99.4	99.5	99.5	99.5	99.7	99.7	99.7	99.8	
>= 200	36.4	60.3	69.9	77.9	86.9	91.2	94.9	97.3	97.8	98.9	99.4	99.5	99.5	99.5	99.7	99.7	99.7	99.8	
>= 100	36.4	60.3	69.9	77.9	86.9	91.2	94.9	97.3	97.8	98.9	99.4	99.5	99.5	99.5	99.7	99.7	99.7	99.9	
>= 0	36.4	60.3	69.9	77.9	86.9	91.2	94.9	97.3	97.8	98.9	99.4	99.5	99.5	99.5	99.7	99.7	99.7	100.0	

TOTAL NO. OF OBS : 5943

# 1 - SURFACE WINDS

043319 : ATSUGI, JAPAN  
 PERIOD OF RECORD : 1951-1987  
 CLASS : ALL WEATHER  
 CONDITION : NONE SPECIFIED

LAT. : 35 27N LONG. : 139 27E ELEV. : 214 FT  
 MONTH : NOV  
 HOUR : 0000 LST

## PERCENTAGE FREQUENCY OF WIND DIRECTION VS SPEED (FROM HOURLY OBSERVATIONS)

16 PT. DIR.	SPEED (KNOTS)											TOTAL %	MEAN WIND SPEED
	1 - 3	4 - 6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	>=56		
N	9.0	19.6	11.9	2.4	.2	.0	.0	.0	.0	.0	.0	43.2	5.7
NNE	2.3	4.0	1.9	.8	.1	.0	.0	.0	.0	.0	.0	9.2	5.9
NE	.6	1.0	.3	.1	.0	.0	.0	.0	.0	.0	.0	2.0	4.9
ENE	.0	.2	.1	.1	.0	.0	.0	.0	.0	.0	.0	.4	7.0
E	.2	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.4	4.5
ESE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
SE	.2	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.3	3.3
SSE	.3	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.4	3.5
S	.2	.3	.5	.1	.0	.0	.0	.0	.0	.0	.0	1.2	6.8
SSW	.5	.4	.5	.3	.2	.0	.0	.0	.0	.0	.0	2.0	8.4
SW	.3	.5	.7	.3	.0	.0	.0	.0	.0	.0	.0	1.9	6.8
WSW	.1	.0	.4	.0	.0	.0	.0	.0	.0	.0	.0	.5	7.2
W	.4	.1	.0	.2	.0	.0	.0	.0	.0	.0	.0	.7	5.3
WNW	.2	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.5	3.8
NW	1.5	2.1	.7	.1	.0	.0	.0	.0	.0	.0	.0	4.4	4.6
NNW	5.9	9.6	6.5	1.2	.3	.0	.0	.0	.0	.0	.0	23.5	5.6
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CLM	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	9.2	.0
ALL	21.9	38.4	24.0	5.7	.8	.0	.0	.0	.0	.0	.0	100.0	5.2

TOTAL NO. OF OBS : 947

NOTES :  
 \* = PERCENT < .05

# 1 - SURFACE WINDS

043319 : ATSUGI, JAPAN  
 PERIOD OF RECORD : 1951-1987  
 CLASS : ALL WEATHER  
 CONDITION : NONE SPECIFIED

LAT. : 35 27N LONG. : 139 27E ELEV. : 214 FT  
 MONTH : NOV  
 HOUR : 0300 LST

## PERCENTAGE FREQUENCY OF WIND DIRECTION VS SPEED (FROM HOURLY OBSERVATIONS)

16 PT. DIR.	1	3	4	6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	>=56	TOTAL %	MEAN WIND SPEED
N	9.1	22.2	11.5	2.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	45.7	5.7
NNE	3.0	4.9	2.7	.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	11.4	5.7
NE	.8	1.0	.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.5	4.9
ENE	.0	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.3	4.3
E	.4	1.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.5	2.8
ESE	1.1	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.4	4.5
SE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
SSE	1.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	3.0
S	.2	1.1	.3	.2	.1	.0	.0	.0	.0	.0	.0	.0	.0	1.0	9.0
SSW	.2	.3	.8	.2	.1	.0	.0	.0	.0	.0	.0	.0	.0	1.7	8.1
SW	.0	.5	1.1	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.0	8.4
WSW	1.1	.0	1.1	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.4	9.5
W	1.1	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.3	3.3
WNW	.6	.2	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.1	4.0
NW	1.5	1.5	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.2	3.7
NNW	5.2	8.4	4.8	1.8	.1	.0	.0	.0	.0	.0	.0	.0	.0	20.3	5.7
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CLM	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	10.1	.0
ALL	21.4	40.0	21.5	6.2	.6	.0	.0	.0	.0	.0	.0	.0	.0	100.0	5.1

TOTAL NO. OF OBS : 947

NOTES : \* = PERCENT < .05

# 1 - SURFACE WINDS

043319 : AITSUGI, JAPAN LAT. : 35 27N LONG. : 139 27E ELEV. : 214 FT  
 PERIOD OF RECORD : 1951-1987 MONTH : NOV  
 CLASS : ALL WEATHER HOUR : 0900 LST  
 CONDITION : NONE SPECIFIED

## PERCENTAGE FREQUENCY OF WIND DIRECTION VS SPEED (FROM HOURLY OBSERVATIONS)

SPEED (KNOTS)																TOTAL	MEAN
16 PT. 1 1 - 31 4 - 61 7-101 11-161 17-211 22-271 28-331 34-401 41-471 48-551 >=561 *																%	WIND
DIR.	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	SPEED
N	4.5	13.9	17.8	5.9	.4	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	42.5	7.3
NNE	2.7	7.6	6.2	1.8	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	18.5	6.6
NE	1.2	1.9	1.9	.4	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	5.4	6.5
ENE	1.3	.4	.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.1	3.9
E	.2	.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.7	4.1
ESE	.2	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.6	3.8
SE	.3	.3	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.7	4.3
SSE	.4	.3	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.8	3.6
S	.0	.1	.1	.2	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.4	5.7
SSW	.1	.5	.3	1.3	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.3	11.2
SW	.6	.3	.3	.2	.1	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.7	9.0
WSW	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	2.5
W	.2	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.4	3.0
WNW	.2	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.3	4.7
NW	.7	.7	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.6	4.5
NNW	1.8	3.5	5.0	2.0	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	12.6	7.7
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CLR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.8	.4
ALL	15.3	30.5	32.3	11.7	1.4	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0	6.4

TOTAL NO. OF OBS : 1024

NOTES : \* = PERCENT < .05

# 1 - SURFACE WINDS

043319 : ATSUGI, JAPAN  
 PERIOD OF RECORD : 1951-1987  
 CLASS : ALL WEATHER  
 CONDITION : NONE SPECIFIED

LAT. : 35 27N LONG. : 139 27E ELEV. : 214 FT  
 MONTH : NOV  
 HOUR : 1200 LST

## PERCENTAGE FREQUENCY OF WIND DIRECTION VS SPEED (FROM HOURLY OBSERVATIONS)

DIR.	SPEED (KNOTS)																TOTAL %	MEAN WIND SPEED
	1-5	6-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	>=56								
N	1.4	5.9	9.9	5.6	1.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	24.0	9.2
NNE	2.0	4.7	7.7	3.3	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	17.9	7.7
NE	1.1	5.5	4.5	1.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	12.5	6.9
ENE	1.0	1.4	1.7	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	4.2	6.1
E	1.3	1.6	.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.5	4.7
ESE	1.1	1.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.4	3.8
SE	.9	.9	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.1	4.2
SSE	1.4	2.1	.4	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	4.0	5.0
S	1.1	2.7	2.3	1.8	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	8.1	7.8
SSW	.6	1.1	1.5	2.2	1.4	.2	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	7.0	11.7
SW	.3	.4	.8	.9	.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.8	10.7
WSW	.1	.3	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.6	5.8
W	.1	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	8.5
WNW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
NW	.1	.2	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.4	5.5
NNW	.3	1.1	1.9	1.7	.3	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	5.4	9.6
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CLM	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	4.8	.0
ALL	12.5	29.0	31.8	17.5	3.6	.6	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0	7.6

TOTAL NO. OF OBS : 1023

NOTES :  
 \* = PERCENT < .05

# 1 - SURFACE WINDS

043319 : ATSUGI, JAPAN LAT. : 35 27N LONG. : 139 27E ELEV. : 214 FT  
 PERIOD OF RECORD : 1951-1987 MONTH : NOV  
 CLASS : ALL WEATHER HOUR : 1500 LST  
 CONDITION : NONE SPECIFIED

## PERCENTAGE FREQUENCY OF WIND DIRECTION VS SPEED (FROM HOURLY OBSERVATIONS)

16 PT.		SPEED (KNOTS)																TOTAL	MEAN
DIR.		1	- 3	4	- 6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	>=56	%	%	SPEED		
N		.6		3.8		6.2	3.9	.7	.3	.0	.0	.0	.0	.0	15.5	9.2			
NNE		1.4		4.7		5.8	3.6	.2	.1	.0	.0	.0	.0	.0	15.8	8.2			
NE		2.1		3.3		3.3	1.1	.0	.0	.0	.0	.0	.0	.0	9.8	6.5			
ENE		1.0		2.3		2.2	.0	.0	.0	.0	.0	.0	.0	.0	5.4	5.9			
E		1.6		2.6		1.9	.3	.0	.0	.0	.0	.0	.0	.0	6.4	5.6			
ESE		.8		2.7		1.3	.0	.0	.0	.0	.0	.0	.0	.0	4.8	5.3			
SE		.8		2.7		1.7	.1	.0	.0	.0	.0	.0	.0	.0	5.3	5.6			
SSE		.8		1.4		.9	.1	.0	.0	.0	.0	.0	.0	.0	3.1	5.7			
S		.7		3.4		4.5	2.0	.4	.0	.0	.0	.0	.0	.0	11.0	8.0			
SSW		.3		1.9		3.7	2.3	.8	.1	.0	.0	.0	.0	.0	9.1	9.9			
SW		.1		.2		.8	1.2	1.2	.1	.0	.0	.0	.0	.0	3.5	13.8			
WSW		.0		.5		.2	.1	.2	.0	.0	.0	.0	.0	.0	1.0	9.6			
W		.2		.1		.1	.2	.0	.0	.0	.0	.0	.0	.0	.6	6.8			
WNW		.1		.2		.0	.1	.0	.0	.0	.0	.0	.0	.0	.4	6.3			
NW		.2		.0		.3	.2	.0	.0	.0	.0	.0	.0	.0	.7	8.9			
NNW		.2		1.3		1.8	1.0	.2	.0	.1	.0	.0	.0	.0	4.5	9.0			
VAR		.0		.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0			
CLM		.0		.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	3.3	.0			
ALL	10.7	31.1	34.4	16.1	3.6	.6	.1	.0	.0	.0	.0	.0	.0	.0	100.0	7.6			

TOTAL NO. OF OBS : 1022

NOTES : \* = PERCENT < .05

# 1 - SURFACE WINDS

043319 : ATSUGI, JAPAN  
 PERIOD OF RECORD : 1951-1987  
 CLASS : ALL WEATHER  
 CONDITION : NONE SPECIFIED

LAT. : 35 27N LONG. : 139 27E ELEV. : 214 FT  
 MONTH : NOV  
 HOUR : 1800 LST

## PERCENTAGE FREQUENCY OF WIND DIRECTION VS SPEED (FROM HOURLY OBSERVATIONS)

16 PT.	1	1 - 3	4	6	7-10	11-16	17-21	SPEED (KNOTS)					TOTAL					MEAN
DIR.	1	1 - 3	4	6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	>=56	Σ	WIND	SPEED		
N	5.5	10.2	7.1	3.1	.5	.0	.0	.0	.0	.0	.0	.0	.0	26.3	6.5			
NNE	3.2	5.0	4.3	1.6	.1	.0	.0	.0	.0	.0	.0	.0	.0	14.2	6.4			
NE	1.8	2.1	1.1	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	5.3	4.9			
ENE	1.3	1.5	.8	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.8	5.1			
E	1.4	1.3	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.8	3.6			
ESE	.5	.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.1	3.6			
SE	.6	.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.5	3.3			
SSE	.5	.5	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.1	4.3			
S	1.1	1.1	1.0	.4	.3	.0	.0	.0	.0	.0	.0	.0	.0	3.8	7.1			
SSW	.9	1.4	1.5	1.5	.1	.0	.0	.0	.0	.0	.0	.0	.0	5.3	8.1			
SW	.7	1.1	1.1	.8	.2	.0	.0	.0	.0	.0	.0	.0	.0	3.8	8.0			
WSW	.8	.6	.3	.6	.1	.0	.0	.0	.0	.0	.0	.0	.0	2.3	6.7			
W	.6	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.8	2.8			
WNW	.5	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.8	3.5			
NW	1.2	1.1	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.4	3.8			
NNW	2.2	3.8	3.4	1.0	.1	.0	.0	.0	.1	.0	.0	.0	.0	10.6	6.6			
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0			
CLM	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	14.2	.0			
ALL	22.6	31.5	20.8	9.5	1.4	.0	.0	.0	.1	.0	.0	.0	.0	100.0	5.3			

TOTAL NO. OF OBS : 1033

NOTES :  
 \* = PERCENT < .05



043319 : ATSUGI, JAPAN LAT. : 35 27N LONG. : 139 27E ELEV. : 214 FT  
 PERIOD OF RECORD : 1951-1987 MONTH : NOV  
 CLASS : ALL WEATHER HOUR : 2100 LST  
 CONDITION : NONE SPECIFIED

PERCENTAGE FREQUENCY OF WIND  
 DIRECTION VS SPEED  
 (FROM HOURLY OBSERVATIONS)

16 PT. DIR.		1	3	4	6	7-10	11-16	17-21	SPEED (KNOTS)					TOTAL %					MEAN WIND SPEED
N	7.4	12.4	10.4	4.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	34.4	6.3	
NNE	1.7	4.2	4.3	1.2	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	11.6	6.7	
NE	.7	1.4	.3	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.6	5.3	
ENE	.6	.5	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.3	4.2	
E	.3	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.4	2.5	
ESE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
SE	.5	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.6	4.3	
SSE	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	4.0	
S	.6	.6	.4	.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.1	7.5	
SSW	.3	.6	.5	.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.1	8.6	
SW	.3	.7	.8	.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.4	8.0	
WSW	.2	.2	.5	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.3	8.1	
W	.3	.3	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.8	5.4	
WNW	.7	.5	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.4	3.9	
NW	3.2	3.6	.6	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	7.4	4.1	
NNW	4.5	9.9	6.1	1.7	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	22.5	6.0	
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
CLW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	9.1	.0	
ALL	21.2	35.2	24.3	9.9	.2	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0	5.5	

TOTAL NO. OF OBS : 1037

NOTES :  
 \* = PERCENT < .05

043319 : ATSUGI, JAPAN  
 PERIOD OF RECORD : 1951-1987  
 CLASS : ALL WEATHER  
 CONDITION : NONE SPECIFIED

LAT. : 35 27N LONG. : 139 27E ELEV. : 214 FT  
 MONTH : NOV  
 HOUR : ALL

PERCENTAGE FREQUENCY OF WIND  
 DIRECTION VS SPEED  
 (FROM HOURLY OBSERVATIONS)

16 PT. DIR.	SPEED (KNOTS)											TOTAL %	MEAN WIND SPEED
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	>=56		
N	6.1	13.4	10.7	3.8	.4	.1	.0	.0	.0	.0	.0	34.4	6.6
NNE	2.5	5.1	4.6	1.7	.1	.0*	.0	.0	.0	.0	.0	14.0	6.7
NE	1.2	2.3	1.5	.5	.0*	.0	.0	.0	.0	.0	.0	5.5	6.1
ENE	.7	.8	.7	.1	.0	.0	.0	.0	.0	.0	.0	2.3	5.3
E	.7	.8	.4	.0*	.0	.0	.0	.0	.0	.0	.0	1.9	4.7
ESE	.4	.7	.2	.0	.0	.0	.0	.0	.0	.0	.0	1.2	4.5
SE	.4	.6	.3	.0*	.0	.0	.0	.0	.0	.0	.0	1.4	4.7
SSE	.4	.6	.2	.0*	.0	.0	.0	.0	.0	.0	.0	1.3	5.0
S	.6	1.1	1.2	.7	.1	.0	.0*	.0	.0	.0	.0	3.7	7.7
SSW	.4	.8	1.2	1.1	.3	.0*	.0*	.0	.0	.0	.0	3.9	9.8
SW	.3	.5	.6	.6	.2	.0*	.0	.0	.0	.0	.0	2.2	9.7
WSW	.2	.2	.2	.2	.0*	.0	.0	.0	.0	.0	.0	.9	7.4
W	.3	.1	.0*	.1	.0	.0	.0	.0	.0	.0	.0	.5	4.6
WNW	.4	.2	.1	.0*	.0	.0	.0	.0	.0	.0	.0	.7	3.8
NW	1.2	1.4	.3	.1	.0	.0	.0	.0	.0	.0	.0	3.0	4.2
NNW	2.9	5.6	4.4	1.4	.2	.0*	.0*	.0	.0	.0	.0	14.5	6.4
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CLM	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	8.6	.0
ALL	18.6	34.2	26.3	10.4	1.6	.2	.1	.0	.0	.0	.0	100.0	6.0

TOTAL NO. OF OBS : 8065

NOTES :  
 \* = PERCENT < .05

043319 : ATSUGI, JAPAN  
 PERIOD OF RECORD : 1951-1987  
 CLASS : ALL WEATHER  
 CONDITION : NONE SPECIFIED

LAT. : 35 27N LONG. : 139 27E ELEV. : 214 FT  
 MONTH : NOV  
 HOUR : 0000 LST

PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)

CEILING	VISIBILITY (STATUTE MILES)																	
	>=10	>=6	>=5	>=4	>=3	>=2	1/2	>=1	1/2	>=1	1/4	>=1	>=3/4	>=5/8	>=1/2	>=5/16	>=1/4	>=0
UNLIMIT	29.5	40.5	45.3	48.7	52.3	54.3	54.9	55.4	55.4	55.6	55.7	55.7	55.7	55.7	55.7	55.7	55.9	56.0
>=20000	29.8	41.2	46.0	49.4	53.2	55.1	55.7	56.3	56.3	56.4	56.6	56.6	56.6	56.6	56.6	56.6	56.7	56.8
>=18000	29.8	41.2	46.1	49.5	53.3	55.4	56.0	56.6	56.6	56.7	56.8	56.8	56.8	56.8	56.8	56.8	57.0	57.1
>=16000	29.8	41.2	46.1	49.5	53.3	55.4	56.0	56.6	56.6	56.7	56.8	56.8	56.8	56.8	56.8	56.8	57.0	57.1
>=14000	30.0	41.5	46.4	49.8	53.6	55.9	56.4	57.0	57.0	57.1	57.3	57.3	57.3	57.3	57.3	57.4	57.4	57.5
>=12000	30.5	42.2	47.4	50.9	54.9	57.1	58.1	58.8	58.8	59.0	59.1	59.1	59.1	59.1	59.1	59.2	59.2	59.4
>=10000	31.9	44.3	49.9	53.6	57.7	60.4	61.4	62.1	62.1	62.3	62.5	62.5	62.5	62.5	62.5	62.6	62.6	62.8
>=9000	31.9	44.7	50.4	54.2	58.4	61.1	62.1	62.8	62.8	63.0	63.2	63.2	63.2	63.2	63.2	63.3	63.3	63.5
>=8000	32.7	47.0	53.0	56.8	61.5	64.5	65.7	66.4	66.4	66.9	67.0	67.0	67.0	67.0	67.0	67.1	67.1	67.3
>=7000	33.0	47.5	53.6	57.5	62.5	65.4	66.9	67.6	67.6	68.0	68.1	68.1	68.1	68.1	68.1	68.3	68.3	68.4
>=6000	34.4	49.9	56.1	60.2	65.4	68.5	70.0	70.7	70.7	71.1	71.2	71.2	71.2	71.2	71.2	71.4	71.4	71.5
>=5000	35.7	53.0	59.5	64.0	69.5	72.9	74.3	75.0	75.0	75.5	75.6	75.6	75.6	75.6	75.6	75.7	75.7	75.9
>=4500	37.4	55.6	62.3	66.9	72.8	76.2	77.6	78.3	78.3	78.7	78.8	78.8	78.8	78.8	78.8	79.0	79.0	79.1
>=4000	38.2	57.8	65.3	70.1	76.2	79.7	81.1	81.9	81.9	82.4	82.5	82.5	82.5	82.5	82.5	82.7	82.7	82.8
>=3500	38.8	59.9	68.0	73.1	79.4	83.1	84.5	85.5	85.5	86.0	86.2	86.2	86.2	86.2	86.3	86.5	86.5	86.6
>=3000	39.4	61.9	70.1	75.5	81.9	85.9	87.4	88.4	88.4	89.0	89.1	89.1	89.1	89.1	89.3	89.4	89.4	89.6
>=2500	40.6	63.6	71.8	77.2	84.1	88.0	89.6	90.8	91.0	91.4	91.5	91.5	91.5	91.5	91.7	91.8	91.8	92.0
>=2000	40.8	64.6	73.1	78.6	86.0	90.1	92.1	93.4	93.5	93.9	94.1	94.1	94.1	94.1	94.2	94.4	94.4	94.5
>=1800	40.8	64.7	73.2	78.8	86.5	90.6	92.5	93.9	94.1	94.5	94.6	94.6	94.6	94.6	94.8	94.8	94.9	95.1
>=1500	40.8	64.9	73.5	79.5	87.3	91.4	93.5	94.9	95.1	95.6	95.8	95.8	95.8	95.8	95.9	96.1	96.1	96.2
>=1200	40.8	65.0	73.8	80.0	88.0	92.2	94.4	95.8	96.1	96.8	96.9	96.9	96.9	96.9	97.0	97.2	97.2	97.3
>=1000	40.8	65.2	73.9	80.1	88.2	92.4	94.9	96.5	96.9	97.6	97.7	97.7	97.7	97.7	97.9	98.0	98.2	98.2
>=900	40.8	65.2	73.9	80.3	88.3	92.5	95.1	96.8	97.2	98.0	98.2	98.2	98.2	98.2	98.3	98.4	98.4	98.6
>=800	40.8	65.2	73.9	80.3	88.3	92.5	95.1	96.8	97.2	98.0	98.2	98.2	98.2	98.2	98.3	98.4	98.4	98.6
>=700	40.8	65.4	74.2	80.5	88.6	92.8	95.6	97.3	97.7	98.6	98.7	98.7	98.7	98.7	98.9	99.0	99.0	99.2
>=600	40.8	65.4	74.2	80.5	88.6	92.8	95.8	97.5	98.2	99.0	99.2	99.2	99.2	99.2	99.3	99.4	99.4	99.6
>=500	40.8	65.4	74.2	80.5	88.6	92.8	95.8	97.5	98.2	99.0	99.2	99.2	99.2	99.2	99.3	99.4	99.4	99.6
>=400	40.8	65.4	74.2	80.5	88.6	92.8	95.8	97.5	98.2	99.0	99.2	99.2	99.2	99.2	99.4	99.6	99.6	99.7
>=300	40.8	65.4	74.2	80.5	88.6	92.8	95.8	97.5	98.2	99.0	99.3	99.3	99.3	99.3	99.6	99.7	99.7	99.9
>=200	40.8	65.4	74.2	80.5	88.6	92.8	95.8	97.5	98.2	99.0	99.3	99.3	99.3	99.3	99.6	99.7	99.7	99.9
>=100	40.8	65.4	74.2	80.5	88.6	92.8	95.8	97.5	98.2	99.0	99.4	99.4	99.4	99.4	99.7	99.7	99.9	100.0
>=0	40.8	65.4	74.2	80.5	88.6	92.8	95.8	97.5	98.2	99.0	99.4	99.4	99.4	99.4	99.7	99.7	99.9	100.0

TOTAL NO. OF OBS : 709

043319 : ATSUGI, JAPAN  
 PERIOD OF RECORD : 1951-1987  
 CLASS : ALL WEATHER  
 CONDITION : NONE SPECIFIED

LAT. : 35 27N LONG. : 139 27E ELEV. : 214 FT  
 MONTH : NOV  
 HOUR : 0300 LST

PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)

CEILING	VISIBILITY (STATUTE MILES)															
	>=10	>=6	>=5	>=4	>=3	>=2 1/2	>=2	>=1 1/2	>=1	>=1 1/4	>=3/4	>=5/8	>=1/2	>=5/16	>=1/4	>=0
UNLIMIT	34.5	46.8	50.6	53.1	56.8	57.9	58.1	58.3	58.3	58.5	58.6	58.6	58.6	58.6	58.6	58.6
>=20000	34.9	47.3	51.2	53.8	57.5	58.6	58.8	59.0	59.0	59.2	59.3	59.3	59.3	59.3	59.3	59.3
>=18000	34.9	47.4	51.3	54.1	57.8	58.9	59.0	59.3	59.3	59.4	59.6	59.6	59.6	59.6	59.6	59.6
>=16000	34.9	47.6	51.4	54.2	57.9	59.0	59.2	59.4	59.4	59.6	59.7	59.7	59.7	59.7	59.7	59.7
>=14000	35.2	48.4	52.3	55.0	58.7	59.9	60.0	60.3	60.3	60.4	60.6	60.6	60.6	60.6	60.6	60.6
>=12000	35.4	49.1	53.0	55.7	59.7	61.2	61.5	61.8	61.8	61.9	62.1	62.1	62.1	62.1	62.1	62.1
>=10000	36.7	50.9	55.2	57.9	62.1	63.9	64.1	64.6	64.6	64.7	64.8	64.8	64.8	64.8	64.8	64.8
>=9000	36.8	51.7	56.0	58.8	62.9	64.8	65.1	65.5	65.5	65.7	65.8	65.8	65.8	65.8	65.8	65.8
>=8000	38.1	54.1	58.3	61.2	65.4	67.6	68.1	68.6	68.6	68.7	69.0	69.0	69.0	69.0	69.0	69.0
>=7000	38.9	55.6	59.9	62.8	66.9	69.1	69.7	70.1	70.1	70.2	70.5	70.5	70.5	70.5	70.5	70.5
>=6000	39.7	57.1	61.4	64.3	68.7	70.9	71.6	72.0	72.0	72.1	72.4	72.4	72.4	72.4	72.4	72.4
>=5000	42.8	61.1	65.5	68.7	73.4	75.7	76.4	77.1	77.1	77.2	77.5	77.5	77.5	77.5	77.5	77.5
>=4500	44.3	63.9	68.8	72.7	78.1	80.6	81.4	82.1	82.1	82.2	82.5	82.5	82.5	82.5	82.5	82.5
>=4000	45.8	67.2	72.4	76.8	82.2	84.7	85.7	86.5	86.5	86.6	86.9	86.9	86.9	86.9	86.9	86.9
>=3500	46.3	68.8	74.1	78.6	84.0	86.5	87.4	88.3	88.3	88.4	88.7	88.7	88.7	88.7	88.7	88.7
>=3000	47.0	70.5	75.9	80.4	86.1	88.6	89.5	90.3	90.3	90.5	90.8	90.8	90.8	90.8	90.8	90.8
>=2500	47.4	71.3	76.7	81.2	87.0	89.8	90.8	91.6	91.6	91.7	92.0	92.0	92.0	92.0	92.0	92.0
>=2000	47.9	72.7	78.3	83.3	89.5	92.3	93.4	94.2	94.2	94.3	94.6	94.6	94.6	94.6	94.6	94.6
>=1800	48.0	72.8	78.8	83.7	89.9	92.7	93.8	94.6	94.6	94.8	95.0	95.0	95.0	95.0	95.0	95.0
>=1500	48.0	73.2	79.3	84.4	90.8	93.7	94.9	95.7	95.7	96.1	96.4	96.4	96.4	96.4	96.4	96.4
>=1200	48.1	73.5	79.6	84.8	91.2	94.3	95.6	96.4	96.4	97.1	97.4	97.4	97.4	97.4	97.4	97.4
>=1000	48.1	73.5	79.6	84.8	91.3	94.6	96.0	96.8	96.8	97.5	97.8	97.8	97.8	97.8	97.8	97.8
>=900	48.1	73.5	79.6	84.8	91.3	94.6	96.0	96.8	96.8	97.5	97.9	97.9	97.9	97.9	97.9	97.9
>=800	48.1	73.5	79.6	84.8	91.4	94.9	96.3	97.1	97.1	97.9	98.3	98.3	98.3	98.3	98.3	98.3
>=700	48.1	73.7	79.7	85.0	91.6	95.2	96.6	97.4	97.4	98.3	98.8	98.8	98.8	98.8	98.8	98.8
>=600	48.1	73.7	79.7	85.0	91.7	95.3	96.8	97.7	97.7	98.6	99.0	99.0	99.2	99.2	99.2	99.2
>=500	48.1	73.7	79.7	85.1	92.0	95.6	97.1	97.9	97.9	98.9	99.3	99.3	99.4	99.4	99.4	99.4
>=400	48.1	73.7	79.7	85.1	92.0	95.6	97.1	97.9	97.9	99.0	99.4	99.4	99.6	99.6	99.6	99.6
>=300	48.1	73.7	79.7	85.1	92.0	95.6	97.1	98.1	98.1	99.3	99.7	99.7	99.9	99.9	99.9	99.9
>=200	48.1	73.7	79.7	85.1	92.1	95.7	97.2	98.2	98.2	99.4	99.9	99.9	100.0	100.0	100.0	100.0
>=100	48.1	73.7	79.7	85.1	92.1	95.7	97.2	98.2	98.2	99.4	99.9	99.9	100.0	100.0	100.0	100.0
>=0	48.1	73.7	79.7	85.1	92.1	95.7	97.2	98.2	98.2	99.4	99.9	99.9	100.0	100.0	100.0	100.0

TOTAL NO. OF OBS : 725

043319 : ATSUGI, JAPAN  
PERIOD OF RECORD : 1951-1987  
CLASS : ALL WEATHER  
CONDITION : NONE SPECIFIED

LAT. : 35 27N LONG. : 139 27E ELEV. : 214 FT  
MONTH : NOV  
HOUR : 0600 LST

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

VISIBILITY (STATUTE MILES)

C-ILING	>=10	>=6	>=5	>=4	>=3	>=2	1/2	>=2	>=1	1/2	>=1	>=3/4	>=5/8	>=1/2	>=5/16	>=1/4	>=0
UNLIMIT	37.5	46.1	50.0	53.3	56.9	58.7	59.1	59.5	59.5	59.7	59.7	59.8	59.8	59.8	60.0	60.0	60.1
>=20000	37.6	46.6	50.5	53.8	57.4	59.2	59.7	60.1	60.1	60.4	60.4	60.5	60.5	60.5	60.6	60.6	60.7
>=18000	37.6	46.7	50.6	54.0	57.7	59.5	60.0	60.4	60.4	60.6	60.6	60.7	60.7	60.7	60.9	60.9	61.0
>=16000	37.6	46.7	50.6	54.0	57.7	59.5	60.0	60.4	60.4	60.6	60.6	60.7	60.7	60.7	60.9	60.9	61.0
>=14000	37.8	47.3	51.3	54.8	58.6	60.4	60.9	61.2	61.2	61.5	61.5	61.6	61.6	61.6	61.7	61.7	61.9
>=12000	38.1	48.0	52.0	55.7	59.5	61.4	61.9	62.5	62.5	62.8	62.8	62.9	62.9	62.9	63.0	63.0	63.1
>=10000	38.6	49.0	53.0	57.3	61.2	63.3	63.9	64.5	64.5	64.8	64.8	64.9	64.9	64.9	65.0	65.0	65.2
>= 9000	38.6	49.2	53.3	57.6	61.5	63.5	64.1	64.8	64.8	65.0	65.0	65.2	65.2	65.2	65.3	65.3	65.4
>= 8000	40.3	51.9	56.1	60.9	65.2	67.2	67.9	68.8	68.8	69.1	69.1	69.2	69.2	69.2	69.3	69.3	69.4
>= 7000	41.0	53.0	57.3	62.2	66.7	68.7	69.4	70.3	70.3	70.6	70.6	70.7	70.7	70.7	70.8	70.8	71.0
>= 6000	41.5	54.2	58.5	63.4	67.8	69.6	70.6	71.5	71.5	71.7	71.7	71.8	71.8	71.8	72.0	72.0	72.1
>= 5000	44.2	58.5	63.1	68.4	73.1	75.4	76.1	77.0	77.0	77.3	77.3	77.4	77.4	77.4	77.5	77.5	77.7
>= 4500	46.6	61.7	66.9	72.6	77.4	80.1	80.9	81.8	81.8	82.1	82.1	82.2	82.2	82.2	82.3	82.3	82.4
>= 4000	48.1	64.4	69.7	75.8	80.7	83.3	84.3	85.2	85.2	85.6	85.6	85.7	85.7	85.7	85.9	85.9	86.0
>= 3500	49.5	66.7	72.2	78.5	83.5	86.1	87.1	88.0	88.0	88.4	88.4	88.5	88.5	88.5	88.6	88.6	88.8
>= 3000	50.3	68.1	73.6	80.3	85.5	88.4	89.4	90.4	90.4	90.8	90.8	90.9	90.9	90.9	91.0	91.0	91.2
>= 2500	50.5	68.7	74.5	81.3	86.9	89.8	90.9	91.9	91.9	92.6	92.6	92.7	92.7	92.7	92.8	92.8	92.9
>= 2000	50.9	69.8	76.0	83.1	88.8	91.5	93.2	94.2	94.2	94.8	94.8	94.9	94.9	94.9	95.1	95.1	95.2
>= 1800	51.0	69.9	76.1	83.2	89.1	92.2	93.6	94.6	94.6	95.2	95.2	95.3	95.3	95.3	95.5	95.5	95.6
>= 1500	51.1	70.7	77.1	84.2	90.4	93.6	95.1	96.1	96.1	96.7	96.7	96.8	96.8	96.8	97.0	97.0	97.1
>= 1200	51.1	70.8	77.3	84.5	90.7	93.9	95.6	96.6	96.6	97.5	97.5	97.6	97.6	97.6	97.7	97.7	97.9
>= 1000	51.1	71.0	77.5	84.8	91.0	94.4	96.1	97.2	97.2	97.3	97.3	98.4	98.4	98.4	98.5	98.5	98.6
>= 900	51.1	71.0	77.5	85.0	91.2	94.6	96.2	97.3	97.3	97.5	97.5	98.5	98.5	98.5	98.6	98.6	98.7
>= 800	51.1	71.0	77.5	85.0	91.2	94.6	96.2	97.3	97.3	97.5	97.5	98.5	98.5	98.5	98.6	98.6	98.7
>= 700	51.1	71.1	77.7	85.1	91.3	94.7	96.3	97.5	97.5	97.6	97.6	98.7	98.7	98.7	98.9	98.9	99.0
>= 600	51.1	71.1	77.8	85.2	91.4	94.8	96.5	97.6	97.6	97.7	97.7	98.9	98.9	98.9	99.0	99.0	99.1
>= 500	51.1	71.1	77.8	85.2	91.4	94.8	96.5	97.6	97.6	97.9	97.9	99.4	99.4	99.4	99.5	99.5	99.6
>= 400	51.1	71.1	77.8	85.2	91.4	94.8	96.5	97.6	97.6	97.9	97.9	99.4	99.4	99.4	99.5	99.5	99.6
>= 300	51.1	71.1	77.8	85.2	91.4	94.8	96.5	97.6	97.6	97.9	97.9	99.5	99.5	99.5	99.6	99.6	99.7
>= 200	51.1	71.1	77.8	85.2	91.4	94.8	96.5	97.6	97.6	97.9	97.9	99.5	99.5	99.5	99.6	99.6	99.7
>= 100	51.1	71.1	77.8	85.2	91.4	94.8	96.6	97.7	97.7	98.0	98.0	99.6	99.6	99.6	99.7	99.7	99.9
>= 0	51.1	71.1	77.8	85.2	91.4	94.8	96.6	97.7	97.7	98.0	98.0	99.6	99.6	99.6	99.7	99.7	100.0

TOTAL NO. OF OBS : 792

043319 : ATSUGI, JAPAN  
PERIOD OF RECORD : 1951-1987  
CLASS : ALL WEATHER  
CONDITION : NONE SPECIFIED

LAT. : 35 27N LONG. : 139 27E ELEV. : 214 FT  
MONTH : NOV  
HOUR : 0900 LST

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

VISIBILITY (STATUTE MILES)

CEILING	>=10	>=6	>=5	>=4	>=3	>=2	1/2	>=2	>=1	1/2	>=1	>=3/4	>=5/8	>=1/2	>=5/16	>=1/4	>=0
UNLIMIT	29.6	40.4	47.8	52.8	58.9	60.8	61.8	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9
>=20000	29.7	40.8	48.2	53.2	59.3	61.1	62.5	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6
>=18000	29.7	40.8	48.2	53.2	59.3	61.1	62.5	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6
>=16000	29.7	40.8	48.2	53.2	59.3	61.1	62.5	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6
>=14000	30.0	41.1	48.5	53.6	59.8	61.8	63.1	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2
>=12000	30.2	41.7	49.5	54.6	61.1	63.4	64.8	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9
>=10000	30.8	42.5	50.6	55.8	62.6	65.3	66.8	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9
>= 9000	30.8	42.6	50.7	55.9	62.7	65.8	67.3	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4
>= 8000	31.0	43.7	52.2	57.9	64.9	68.1	69.8	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
>= 7000	31.3	44.9	53.5	59.2	66.2	69.4	71.3	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7
>= 6000	31.9	45.8	54.5	60.2	67.7	70.8	72.8	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1
>= 5000	33.5	49.5	59.1	64.9	72.8	75.9	78.2	78.7	78.9	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0
>= 4500	34.3	52.3	62.2	68.2	76.3	79.8	82.3	83.1	83.2	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3
>= 4000	35.1	54.2	64.9	71.1	79.8	83.4	86.0	87.0	87.1	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2
>= 3500	35.5	55.7	66.4	72.5	81.5	85.0	88.3	89.2	89.4	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6
>= 3000	35.9	57.2	68.4	74.7	84.0	88.0	91.1	92.2	92.6	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7
>= 2500	36.4	58.3	69.6	75.9	85.5	89.6	93.0	94.0	94.4	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5
>= 2000	36.4	58.5	70.0	76.3	86.3	90.9	94.4	95.4	95.8	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
>= 1800	36.4	58.5	70.0	76.3	86.3	91.0	94.5	95.6	96.0	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
>= 1500	36.4	58.7	70.3	76.7	86.8	91.7	95.4	96.5	96.9	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
>= 1200	36.4	58.8	70.4	76.8	87.0	91.8	95.7	96.7	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
>= 1000	36.5	58.9	70.5	76.9	87.1	92.0	96.1	97.1	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5
>= 900	36.5	59.1	70.7	77.1	87.2	92.3	96.3	97.4	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8
>= 800	36.5	59.1	70.7	77.1	87.4	92.6	96.9	97.9	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
>= 700	36.5	59.1	70.7	77.1	87.4	92.6	97.0	98.2	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
>= 600	36.5	59.1	70.7	77.1	87.4	92.6	97.0	98.2	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
>= 500	36.5	59.1	70.7	77.1	87.5	92.7	97.1	98.4	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
>= 400	36.5	59.1	70.7	77.1	87.5	92.7	97.1	98.4	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
>= 300	36.5	59.1	70.7	77.1	87.5	92.7	97.1	98.4	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
>= 200	36.5	59.1	70.7	77.1	87.5	92.7	97.1	98.4	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
>= 100	36.5	59.1	70.7	77.1	87.5	92.7	97.1	98.4	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
>= 0	36.5	59.1	70.7	77.1	87.5	92.7	97.1	98.4	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1

TOTAL NO. OF OBS : 767

043319 : ATSUGI, JAPAN  
PERIOD OF RECORD : 1951-1987  
CLASS : ALL WEATHER  
CONDITION : NONE SPECIFIED

LAT. : 35 27N LONG. : 139 27E ELEV. : 214 FT  
MONTH : NOV  
HOUR : 1200 LST

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

CEILING	VISIBILITY (STATUTE MILES)										>=1/4	>=1/4	>=0
	>=10	>=6	>=5	>=4	>=3	>=2	1/2	>=1	1/2	>=1	>=5/8	>=1/2	>=5/16
UNLIMIT	38.2	50.5	55.9	58.7	60.8	61.2	61.2	61.3	61.3	61.3	61.3	61.3	61.3
>=20000	38.4	51.6	57.0	59.9	62.0	62.4	62.4	62.5	62.5	62.5	62.5	62.5	62.5
>=18000	38.4	51.7	57.1	60.0	62.2	62.6	62.6	62.8	62.8	62.8	62.8	62.8	62.8
>=16000	38.4	51.7	57.1	60.0	62.2	62.8	62.8	62.9	62.9	62.9	62.9	62.9	62.9
>=14000	39.1	52.6	58.2	61.1	63.3	63.8	64.1	64.1	64.2	64.2	64.2	64.2	64.2
>=12000	39.3	54.1	59.6	62.9	65.1	65.7	66.1	66.1	66.2	66.2	66.2	66.2	66.2
>=10000	40.4	56.2	61.8	65.1	67.5	68.4	68.6	68.9	68.9	69.1	69.1	69.1	69.1
>= 9000	40.5	56.3	62.0	65.4	67.9	68.9	69.1	69.5	69.5	69.6	69.6	69.6	69.6
>= 8000	40.8	57.6	63.6	67.4	70.4	71.7	72.0	72.5	72.5	72.6	72.6	72.6	72.6
>= 7000	41.2	58.9	64.9	68.7	72.1	73.6	73.9	74.5	74.5	74.6	74.6	74.6	74.6
>= 6000	41.6	60.3	66.3	70.1	73.8	75.3	75.7	76.2	76.2	76.3	76.3	76.3	76.3
>= 5000	42.8	63.0	69.6	73.8	78.0	79.5	79.9	80.4	80.4	80.5	80.5	80.5	80.5
>= 4500	43.2	64.5	71.2	76.1	80.5	82.1	82.5	83.0	83.0	83.2	83.2	83.2	83.2
>= 4000	43.8	65.7	72.8	78.2	82.8	84.3	84.9	85.4	85.4	85.5	85.5	85.5	85.5
>= 3500	44.3	67.1	74.2	80.1	85.0	86.7	87.2	87.9	87.9	88.0	88.0	88.0	88.0
>= 3000	45.0	68.6	76.1	82.6	87.8	89.7	90.4	91.1	91.1	91.2	91.2	91.2	91.2
>= 2500	45.3	69.5	77.1	83.8	89.1	91.3	92.1	92.8	92.8	92.9	92.9	92.9	92.9
>= 2000	45.4	70.1	77.9	84.7	90.4	93.0	94.1	94.7	94.7	94.9	94.9	94.9	94.9
>= 1800	45.4	70.1	78.2	85.1	90.8	93.4	94.6	95.3	95.3	95.4	95.4	95.4	95.4
>= 1500	45.4	70.4	78.6	85.7	91.6	94.5	95.8	96.4	96.4	96.6	96.6	96.6	96.6
>= 1200	45.4	70.4	78.7	85.8	91.8	95.0	96.4	97.2	97.4	97.6	97.6	97.6	97.6
>= 1000	45.4	70.5	78.8	86.2	92.4	95.5	97.1	97.9	98.0	98.4	98.6	98.6	98.6
>= 900	45.4	70.5	78.8	86.2	92.4	95.7	97.2	98.0	98.2	98.6	98.7	98.7	98.7
>= 800	45.4	70.5	78.8	86.2	92.4	95.8	97.4	98.2	98.3	98.8	98.9	98.9	98.9
>= 700	45.4	70.5	78.8	86.2	92.4	95.8	97.4	98.4	98.6	99.1	99.2	99.2	99.2
>= 600	45.4	70.5	78.8	86.2	92.4	96.1	97.6	98.8	98.9	99.7	99.9	99.9	99.9
>= 500	45.4	70.5	78.8	86.2	92.4	96.1	97.6	98.8	98.9	99.7	99.9	99.9	99.9
>= 400	45.4	70.5	78.8	86.2	92.4	96.1	97.8	98.9	99.1	99.3	99.9	100.0	100.0
>= 300	45.4	70.5	78.8	86.2	92.4	96.1	97.8	98.9	99.1	99.3	99.9	100.0	100.0
>= 200	45.4	70.5	78.8	86.2	92.4	96.1	97.8	98.9	99.1	99.3	99.9	100.0	100.0
>= 100	45.4	70.5	78.8	86.2	92.4	96.1	97.8	98.9	99.1	99.3	99.9	100.0	100.0
>= 0	45.4	70.5	78.8	86.2	92.4	96.1	97.8	98.9	99.1	99.3	99.9	100.0	100.0

TOTAL NO. OF OBS : 760

243319 : ATSUGI, JAPAN  
 PERIOD OF RECORD : 1951-1987  
 CLASS : ALL WEATHER  
 CONDITION : NONE SPECIFIED

LAT. : 35 27N LONG. : 139 27E ELEV. : 214 FT  
 MONTH : NOV  
 HOUR : 1500 LST

PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)

VISIBILITY (STATUTE MILES)

CEILING	>=10	>=6	>=5	>=4	>=3	>=2	1/2	>=1	1/2	>=1	3/4	>=5/8	>=1/2	>=5/16	>=1/4	>=0
UNLIMIT	35.6	47.1	52.5	56.1	58.1	59.3	60.0	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1
>=20000	35.9	48.0	53.5	57.0	59.0	60.2	60.9	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2
>=18000	35.9	48.0	53.6	57.2	59.2	60.4	61.0	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4
>=16000	36.0	48.4	54.0	57.6	59.6	60.8	61.4	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8
>=14000	36.3	49.1	54.9	58.9	60.9	62.2	62.9	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3
>=12000	36.6	50.1	56.4	60.5	62.5	64.0	64.6	65.0	65.0	65.0	65.2	65.2	65.2	65.2	65.2	65.2
>=10000	37.0	51.3	57.7	62.0	64.1	65.8	66.6	67.2	67.3	67.3	67.4	67.4	67.4	67.4	67.4	67.4
>= 9000	37.0	51.7	58.1	62.4	64.6	66.5	67.3	67.8	68.0	68.0	68.1	68.1	68.1	68.1	68.1	68.1
>= 8000	38.2	54.0	60.9	65.3	68.2	70.1	70.9	71.5	71.8	71.8	71.9	71.9	71.9	71.9	71.9	71.9
>= 7000	39.0	55.1	62.0	66.5	69.4	71.3	72.2	72.9	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4
>= 6000	39.1	55.6	62.6	67.3	70.3	72.3	73.7	74.3	74.6	74.7	74.9	74.9	74.9	74.9	74.9	74.9
>= 5000	41.2	59.7	67.3	72.5	75.8	78.1	79.7	80.3	80.6	80.7	80.9	80.9	80.9	80.9	80.9	80.9
>= 4500	41.8	61.3	69.0	74.3	77.9	80.3	82.0	82.7	83.0	83.1	83.2	83.2	83.2	83.2	83.2	83.2
>= 4000	42.2	62.5	70.6	76.2	80.1	82.6	84.4	85.1	85.4	85.5	85.6	85.6	85.6	85.6	85.6	85.6
>= 3500	42.6	63.2	71.7	77.7	82.0	84.6	86.7	87.5	87.8	87.9	88.0	88.0	88.0	88.0	88.0	88.0
>= 3000	43.0	64.5	73.5	79.8	84.8	87.4	89.9	91.1	91.4	91.6	91.8	91.8	91.8	91.8	91.8	91.8
>= 2500	43.2	64.9	74.1	80.3	85.6	88.6	91.2	92.4	92.7	93.0	93.4	93.4	93.4	93.4	93.4	93.4
>= 2000	43.5	65.6	74.7	81.1	86.6	89.8	93.0	94.5	94.8	95.1	95.5	95.5	95.5	95.5	95.5	95.5
>= 1800	43.5	65.6	74.7	81.1	86.6	89.8	93.0	94.5	94.8	95.1	95.5	95.5	95.5	95.5	95.5	95.5
>= 1500	43.5	66.0	75.4	81.6	87.5	91.1	94.5	96.1	96.4	96.7	97.1	97.1	97.1	97.1	97.1	97.1
>= 1200	43.5	66.2	75.8	82.3	88.0	91.8	95.3	97.1	97.3	97.6	98.0	98.0	98.0	98.0	98.0	98.0
>= 1000	43.5	66.2	75.9	82.4	88.2	92.0	95.6	97.6	97.9	98.3	98.8	98.8	98.8	98.8	98.8	98.8
>= 900	43.5	66.2	75.9	82.4	88.3	92.2	96.0	98.0	98.3	98.8	99.3	99.3	99.3	99.3	99.3	99.3
>= 800	43.5	66.2	75.9	82.4	88.3	92.2	96.0	98.0	98.3	98.8	99.3	99.3	99.3	99.3	99.3	99.3
>= 700	43.5	66.2	76.1	82.6	88.4	92.3	96.1	98.1	98.4	99.1	99.6	99.6	99.6	99.6	99.6	99.6
>= 600	43.5	66.2	76.1	82.6	88.4	92.3	96.1	98.1	98.4	99.1	99.6	99.6	99.6	99.6	99.6	99.6
>= 500	43.5	66.2	76.1	82.6	88.4	92.3	96.4	98.4	98.7	99.3	100.0	100.0	100.0	100.0	100.0	100.0
>= 400	43.5	66.2	76.1	82.6	88.4	92.3	96.4	98.4	98.7	99.3	100.0	100.0	100.0	100.0	100.0	100.0
>= 300	43.5	66.2	76.1	82.6	88.4	92.3	96.4	98.4	98.7	99.3	100.0	100.0	100.0	100.0	100.0	100.0
>= 200	43.5	66.2	76.1	82.6	88.4	92.3	96.4	98.4	98.7	99.3	100.0	100.0	100.0	100.0	100.0	100.0
>= 100	43.5	66.2	76.1	82.6	88.4	92.3	96.4	98.4	98.7	99.3	100.0	100.0	100.0	100.0	100.0	100.0
>= 0	43.5	66.2	76.1	82.6	88.4	92.3	96.4	98.4	98.7	99.3	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NO. OF OBS : 752



## 2 - CEILING VS VISIBILITY

043319 : AITSUGI, JAPAN  
 PERIOD OF RECORD : 1951-1987  
 CLASS : ALL WEATHER  
 CONDITION : NONE SPECIFIED

LAT. : 35 27N LONG. : 139 27E ELEV. : 214 FT  
 MONTH : NOV  
 HOUR : 1800 LST

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

CEILING	VISIBILITY (STATUTE MILES)									
	>=10	>=6	>=5	>=4	>=3	>=2	1/2	>=1	1/2	>=1/4
UNLIMIT	24.6	36.1	42.0	46.4	52.7	56.9	59.4	60.4	60.4	60.9
>=20000	24.6	36.3	42.4	46.9	53.6	57.9	60.4	61.4	61.4	62.0
>=18000	24.6	36.3	42.5	47.0	53.8	58.0	60.5	61.6	61.6	62.1
>=16000	24.6	36.3	42.7	47.2	54.0	58.3	60.8	61.8	61.8	62.4
>=14000	24.6	36.3	42.7	47.2	54.4	58.7	61.2	62.2	62.2	62.7
>=12000	25.1	37.6	44.0	48.5	56.3	60.6	63.5	64.7	64.7	65.3
>=10000	25.5	38.7	45.2	49.9	58.3	62.9	66.1	67.4	67.4	67.9
>=9000	25.5	39.0	45.4	50.3	58.7	63.3	66.6	68.0	68.0	68.6
>=8000	26.3	40.3	47.0	52.4	61.0	65.8	69.1	71.1	71.1	71.7
>=7000	26.7	40.8	48.0	53.4	62.1	66.8	70.1	72.3	72.3	72.9
>=6000	27.1	41.6	48.9	54.3	63.4	68.6	71.9	74.0	74.0	74.8
>=5000	28.4	44.4	52.3	58.7	68.0	73.4	77.4	79.5	79.5	80.3
>=4500	28.7	45.7	54.3	61.4	71.2	76.9	81.0	83.1	83.1	83.9
>=4000	28.9	46.5	55.1	62.2	72.3	78.1	82.4	84.5	84.5	85.5
>=3500	29.2	47.4	56.7	63.9	74.2	80.3	84.7	86.8	86.8	88.0
>=3000	29.3	48.2	57.9	65.5	76.4	82.7	87.3	89.4	89.4	90.8
>=2500	29.3	48.7	58.5	66.4	77.4	83.9	88.8	90.9	90.9	92.3
>=2000	29.3	49.1	59.2	67.2	78.7	85.3	90.5	92.9	92.9	94.5
>=1800	29.3	49.1	59.3	67.4	78.9	85.5	90.9	93.4	93.4	95.0
>=1500	29.3	49.4	59.7	67.9	79.5	86.4	92.2	95.0	95.1	96.7
>=1200	29.3	49.4	59.8	68.0	79.8	86.7	92.9	96.0	96.3	97.9
>=1000	29.3	49.5	60.0	68.2	80.2	87.1	93.4	96.7	97.0	98.7
>=900	29.3	49.5	60.0	68.2	80.2	87.1	93.4	96.7	97.0	98.7
>=800	29.3	49.5	60.0	68.2	80.3	87.3	93.7	97.0	97.2	99.1
>=700	29.3	49.5	60.0	68.2	80.3	87.3	93.7	97.0	97.2	99.1
>=600	29.3	49.5	60.0	68.2	80.6	87.6	93.9	97.2	97.6	99.5
>=500	29.3	49.5	60.0	68.3	80.7	87.7	94.1	97.4	97.9	99.7
>=400	29.3	49.5	60.0	68.3	80.7	87.7	94.2	97.6	98.2	100.0
>=300	29.3	49.5	60.0	68.3	80.7	87.7	94.2	97.6	98.2	100.0
>=200	29.3	49.5	60.0	68.3	80.7	87.7	94.2	97.6	98.2	100.0
>=100	29.3	49.5	60.0	68.3	80.7	87.7	94.2	97.6	98.2	100.0
>=0	29.3	49.5	60.0	68.3	80.7	87.7	94.2	97.6	98.2	100.0

TOTAL NO. OF OBS : 757

## 2 - CEILING VS VISIBILITY

043319 : ATSUGI, JAPAN  
PERIOD OF RECORD : 1951-1987  
CLASS : ALL WEATHER  
CONDITION : NONE SPECIFIED

LAT. : 35 27N LONG. : 139 27E ELEV. : 214 FT  
MONTH : NOV  
HOUR : 2100 LST

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

CEILING	VISIBILITY (STATUTE MILES)									
	>=10	>=6	>=5	>=4	>=3	>=2	1/2	>=1	1/4	>=1/8
UNLIMIT	24.9	34.7	39.8	44.6	50.1	53.5	55.5	56.6	56.7	56.9
>=20000	24.9	34.9	40.2	45.2	51.2	54.6	56.6	57.7	57.8	57.9
>=18000	24.9	34.9	40.2	45.3	51.3	54.7	56.7	57.8	57.9	58.1
>=16000	25.0	35.1	40.3	45.4	51.5	54.8	56.9	57.9	58.1	58.2
>=14000	25.3	35.8	41.0	46.1	52.3	55.6	57.7	58.9	59.0	59.0
>=12000	25.4	36.2	41.4	46.5	52.8	56.2	58.7	59.9	60.1	60.2
>=10000	25.9	37.2	42.7	48.1	55.0	58.7	61.6	62.8	62.9	63.0
>=9000	26.3	38.0	43.7	49.1	55.9	59.9	62.8	64.0	64.1	64.2
>=8000	27.0	39.2	44.9	50.5	57.4	61.8	65.1	66.5	66.7	66.8
>=7000	27.2	39.9	45.6	51.2	58.3	63.0	66.5	68.1	68.3	68.4
>=6000	28.0	41.3	47.3	53.1	60.9	66.0	69.5	71.2	71.4	71.5
>=5000	29.4	44.8	51.1	58.1	66.7	71.8	75.5	77.3	77.4	77.7
>=4500	30.4	46.6	53.2	60.5	69.2	74.7	78.6	80.4	80.5	80.8
>=4000	31.6	49.3	56.0	63.3	72.2	77.7	81.7	83.5	83.6	83.9
>=3500	31.9	50.7	57.7	65.2	74.5	80.0	84.3	86.0	86.2	86.6
>=3000	32.4	52.0	59.4	67.1	76.6	82.1	86.6	88.6	88.7	89.1
>=2500	32.9	53.1	61.0	69.0	78.8	84.4	89.0	91.0	91.1	91.5
>=2000	33.2	53.8	62.4	70.3	80.5	86.4	91.3	93.4	93.5	94.1
>=1800	33.3	54.0	62.6	70.6	80.8	86.7	91.5	93.7	93.8	94.4
>=1500	33.3	54.2	63.0	71.0	81.5	87.6	92.7	94.9	95.0	95.6
>=1200	33.3	54.4	63.3	71.4	82.3	88.4	93.7	96.0	96.1	96.8
>=1000	33.3	54.4	63.7	71.9	82.9	89.2	94.8	97.2	97.3	98.0
>=900	33.3	54.4	63.7	71.9	83.1	89.5	95.0	97.4	97.6	98.4
>=800	33.3	54.4	63.7	71.9	83.1	89.5	95.0	97.6	97.7	98.7
>=700	33.3	54.4	63.7	71.9	83.1	89.5	95.0	97.6	97.7	98.9
>=600	33.3	54.4	63.7	71.9	83.2	89.7	95.2	97.7	97.8	99.1
>=500	33.3	54.4	63.7	71.9	83.2	89.7	95.2	97.7	97.8	99.2
>=400	33.3	54.4	63.7	71.9	83.2	89.7	95.2	97.7	97.8	99.2
>=300	33.3	54.4	63.7	71.9	83.2	89.7	95.2	97.7	97.8	99.2
>=200	33.3	54.4	63.7	71.9	83.2	89.7	95.2	97.7	97.8	99.2
>=100	33.3	54.4	63.7	71.9	83.2	89.7	95.2	97.7	97.8	99.2
>=0	33.3	54.4	63.7	71.9	83.2	89.7	95.2	97.7	97.8	99.2

TOTAL NO. OF OBS : 744

043319 : ATSUGI, JAPAN  
 PERIOD OF RECORD : 1951-1987  
 CLASS : ALL WEATHER  
 CONDITION : NONE SPECIFIED

LAT. : 35 27N LONG. : 139 27E ELEV. : 214 FT  
 MONTH : NOV  
 HOUR : ALL

PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)

CEILING	VISIBILITY (STATUTE MILES)															
	>=10	>=6	>=5	>=4	>=3	>=2	1/2	>=1	1/4	>=1	>=3/4	>=5/8	>=1/2	>=5/16	>=1/4	>=0
UNLIMIT	31.8	42.8	48.0	51.7	55.9	57.9	58.8	59.2	59.3	59.4	59.5	59.5	59.5	59.5	59.5	59.6
>=20000	32.0	43.4	48.7	52.4	56.7	58.7	59.7	60.1	60.2	60.3	60.4	60.4	60.4	60.4	60.4	60.5
>=18000	32.0	43.4	48.8	52.6	56.9	58.9	59.8	60.3	60.4	60.5	60.6	60.6	60.6	60.6	60.6	60.7
>=16000	32.1	43.5	48.9	52.7	57.0	59.0	60.0	60.5	60.5	60.6	60.7	60.7	60.7	60.8	60.8	60.8
>=14000	32.3	44.0	49.4	53.3	57.8	59.8	60.8	61.3	61.3	61.4	61.5	61.5	61.6	61.6	61.6	61.7
>=12000	32.6	44.9	50.4	54.5	59.0	61.2	62.4	63.0	63.0	63.2	63.3	63.3	63.3	63.3	63.3	63.4
>=10000	33.4	46.3	52.0	56.3	61.1	63.6	64.9	65.6	65.6	65.7	65.9	65.9	65.9	65.9	65.9	66.0
>= 9000	33.5	46.7	52.5	56.7	61.6	64.3	65.6	66.3	66.3	66.4	66.5	66.5	66.6	66.6	66.6	66.7
>= 8000	34.3	48.5	54.5	59.1	64.3	67.1	68.6	69.5	69.5	69.7	69.8	69.8	69.8	69.9	69.9	69.9
>= 7000	34.8	49.5	55.6	60.2	65.6	68.4	70.0	71.0	71.0	71.2	71.3	71.3	71.4	71.4	71.4	71.4
>= 6000	35.4	50.7	57.0	61.6	67.3	70.3	72.0	72.9	72.9	73.1	73.3	73.3	73.3	73.3	73.4	73.4
>= 5000	37.3	54.3	61.0	66.2	72.2	75.4	77.2	78.2	78.3	78.5	78.6	78.6	78.7	78.7	78.7	78.8
>= 4500	38.3	56.5	63.5	69.1	75.5	78.9	80.8	81.8	81.9	82.1	82.3	82.3	82.3	82.3	82.4	82.4
>= 4000	39.2	58.5	65.9	71.7	78.3	81.8	83.8	84.9	85.0	85.2	85.4	85.4	85.4	85.4	85.5	85.5
>= 3500	39.8	59.9	67.6	73.7	80.5	84.1	86.3	87.4	87.5	87.8	88.0	88.0	88.0	88.0	88.1	88.1
>= 3000	40.3	61.4	69.4	75.8	82.9	86.6	89.0	90.2	90.3	90.6	90.8	90.8	90.9	90.9	91.0	91.0
>= 2500	40.7	62.3	70.4	76.9	84.3	88.2	90.7	91.9	92.0	92.4	92.6	92.6	92.7	92.7	92.7	92.8
>= 2000	40.9	63.0	71.4	78.1	85.9	90.0	92.7	94.1	94.2	94.6	94.8	94.8	94.9	94.9	94.9	95.0
>= 1800	41.0	63.1	71.6	78.3	86.1	90.2	93.1	94.5	94.5	94.9	95.2	95.2	95.2	95.3	95.3	95.3
>= 1500	41.0	63.4	72.1	78.9	86.9	91.2	94.3	95.7	95.8	96.3	96.5	96.6	96.6	96.6	96.7	96.7
>= 1200	41.0	63.6	72.3	79.2	87.3	91.8	95.0	96.5	96.6	97.2	97.5	97.5	97.6	97.6	97.6	97.7
>= 1000	41.0	63.7	72.5	79.4	87.7	92.2	95.5	97.1	97.3	97.9	98.2	98.3	98.4	98.4	98.4	98.4
>= 900	41.0	63.7	72.5	79.5	87.7	92.3	95.7	97.3	97.5	98.1	98.5	98.5	98.6	98.6	98.7	98.7
>= 800	41.0	63.7	72.5	79.5	87.8	92.4	95.8	97.5	97.7	98.4	98.8	98.8	98.9	98.9	99.0	99.0
>= 700	41.0	63.7	72.6	79.6	87.9	92.5	96.0	97.7	97.9	98.6	99.0	99.1	99.2	99.2	99.2	99.2
>= 600	41.0	63.7	72.6	79.6	88.0	92.6	96.1	97.9	98.1	98.9	99.3	99.3	99.4	99.5	99.5	99.5
>= 500	41.0	63.7	72.6	79.6	88.0	92.7	96.2	98.0	98.2	99.0	99.5	99.6	99.7	99.7	99.7	99.8
>= 400	41.0	63.7	72.6	79.6	88.0	92.7	96.3	98.0	98.3	99.1	99.6	99.7	99.8	99.8	99.9	99.9
>= 300	41.0	63.7	72.6	79.6	88.0	92.7	96.3	98.0	98.3	99.2	99.7	99.7	99.9	99.9	99.9	99.9
>= 200	41.0	63.7	72.6	79.6	88.0	92.7	96.3	98.1	98.3	99.2	99.7	99.8	99.9	99.9	99.9	100.0
>= 100	41.0	63.7	72.6	79.6	88.0	92.7	96.3	98.1	98.3	99.2	99.7	99.8	99.9	99.9	99.9	100.0
>= 0	41.0	63.7	72.6	79.6	88.0	92.7	96.3	98.1	98.3	99.2	99.7	99.8	99.9	99.9	99.9	100.0

TOTAL NO. OF OBS : 6006

## 1 - SURFACE WINDS

043319 : AITSUGI, JAPAN LAT. : 35 27N LONG. : 139 27E ELEV. : 214 FT  
 PERIOD OF RECORD : 1951-1987 MONTH : DEC  
 CLASS : ALL WEATHER HOUR : 0000 LST  
 CONDITION : NONE SPECIFIED

PERCENTAGE FREQUENCY OF WIND  
 DIRECTION VS SPEED  
 (FROM HOURLY OBSERVATIONS)

16 PT.		SPEED (KNOTS)																TOTAL		MEAN	
DIR.	1	- 3	4	- 6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	>56	%		WIND	SPEED				
N	10.5		18.1		7.9	1.4	.1	.0	.0	.0	.0	.0	.0	.0	38.0		5.2				
NNE	2.3		4.6		2.5	1.0	.0	.0	.0	.0	.0	.0	.0	.0	10.4		5.9				
NE	1.1		.4		.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	1.7		3.8				
ENE	.3		.1		.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.5		4.0				
E	.4		.1		.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.6		3.3				
ESE	.0		.1		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1		4.0				
SE	.2		.2		.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.5		4.6				
SSE	.0		.1		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1		4.0				
S	.3		.2		.1	.1	.0	.1	.0	.0	.0	.0	.0	.0	.8		7.1				
SSW	.2		.7		.8	.4	.1	.0	.0	.0	.0	.0	.0	.0	2.3		8.3				
SW	.1		.4		.7	.7	.0	.0	.0	.0	.0	.0	.0	.0	2.0		9.4				
WSW	.4		.3		.5	.1	.0	.0	.0	.0	.0	.0	.0	.0	1.3		6.6				
W	.3		.3		.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.7		4.0				
WNW	.4		.3		.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.9		5.3				
NW	1.8		2.6		.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	5.1		4.2				
NNW	5.0		10.6		5.8	.4	.1	.0	.0	.0	.0	.0	.0	.0	21.9		5.3				
VAR	.0		.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0				
CLM	.0		.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	12.9		.0				
ALL	23.4		39.2		19.6	4.4	.3	.1	.0	.0	.0	.0	.0	.0	100.0		4.7				

TOTAL NO. OF OBS : 973

NOTES :  
 \* = PERCENT < .05

# 1 - SURFACE WINDS

043319 : ATSUGI, JAPAN  
 PERIOD OF RECORD : 1951-1987  
 CLASS : ALL WEATHER  
 CONDITION : NONE SPECIFIED

LAT. : 35 27N LONG. : 139 27E ELEV. : 214 FT  
 MONTH : DEC  
 HOUR : 0300 LST

## PERCENTAGE FREQUENCY OF WIND DIRECTION VS SPEED (FROM HOURLY OBSERVATIONS)

16 PT. DIR.	1 - 31	4 - 61	7-101	11-161	17-211	22-271	28-331	34-401	41-471	48-551	>=561	TOTAL	MEAN WIND SPEED
N	10.7	17.3	8.2	1.7	.0	.0	.0	.0	.0	.0	.0	38.0	5.2
NNE	3.0	4.9	3.2	.9	.0	.0	.0	.0	.0	.0	.0	12.0	5.7
NE	1.3	1.3	.2	.0	.0	.0	.0	.0	.0	.0	.0	2.9	3.8
ENE	.9	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.1	2.5
E	.4	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.5	1.8
ESE	.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	1.5
SE	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.1	7.0
SSE	.2	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.3	4.0
S	.3	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.5	3.8
SSW	.2	.1	.6	.4	.2	.1	.0	.0	.0	.0	.0	1.6	11.5
SW	.0	.3	.5	.3	.1	.0	.0	.0	.0	.0	.0	1.2	9.5
WSW	.5	.4	.5	.4	.0	.0	.0	.0	.0	.0	.0	1.9	6.6
W	.5	.3	.1	.1	.0	.0	.0	.0	.0	.0	.0	1.0	5.0
WNW	.2	.2	.0	.2	.0	.0	.0	.0	.0	.0	.0	.6	6.2
NW	2.9	1.7	.6	.1	.0	.0	.0	.0	.0	.0	.0	5.3	4.0
NNW	4.8	7.6	4.8	.9	.0	.0	.0	.0	.0	.0	.0	18.2	5.4
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CLW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	14.4	.0
ALL	26.2	34.8	19.0	5.1	.3	.1	.0	.0	.0	.0	.0	100.0	4.6

TOTAL NO. OF OBS : 972

NOTES :  
 \* = PERCENT < .05

# 1 - SURFACE WINDS

043319 : ATSUGI, JAPAN LAT. : 35 27N LONG. : 139 27E ELEV. : 214 FT  
 PERIOD OF RECORD : 1951-1987 MONTH : DEC  
 CLASS : ALL WEATHER HOUR : 0600 LST  
 CONDITION : NONE SPECIFIED

## PERCENTAGE FREQUENCY OF WIND DIRECTION VS SPEED (FROM HOURLY OBSERVATIONS)

16 PT. 1		SPEED (KNOTS)												TOTAL		MEAN	
DIR.		1	- 3	4	- 6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	>=56	%	SPEED	
N		11.5		16.5		6.9	1.3	.3	.0	.0	.0	.0	.0	.0	36.6	5.0	
NNE		5.0		5.9		3.1	1.1	.1	.0	.0	.0	.0	.0	.0	15.2	5.3	
NE		1.3		1.6		.3	.2	.0	.0	.0	.0	.0	.0	.0	3.4	4.4	
ENE		.5		.4		.1	.0	.0	.0	.0	.0	.0	.0	.0	.9	3.6	
E		.2		.2		.0	.0	.0	.0	.0	.0	.0	.0	.0	.4	4.0	
ESE		.1		.1		.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	3.0	
SE		.2		.1		.0	.0	.0	.0	.0	.0	.0	.0	.0	.3	2.3	
SSE		.3		.0		.0	.0	.1	.0	.0	.0	.0	.0	.0	.4	6.0	
S		.2		.1		.0	.3	.0	.0	.0	.0	.0	.0	.0	.6	7.2	
SSW		.2		.3		.3	.4	.5	.0	.0	.0	.0	.0	.0	1.6	11.8	
SW		.1		.5		.5	.2	.0	.0	.0	.0	.0	.0	.0	1.2	7.5	
WSW		.1		.2		.6	.2	.0	.0	.0	.0	.0	.0	.0	1.0	8.5	
W		.4		.2		.0	.1	.0	.0	.0	.0	.0	.0	.0	.7	4.4	
WNW		.5		.7		.1	.0	.0	.0	.0	.0	.0	.0	.0	1.2	4.2	
NW		1.4		2.1		.2	.0	.0	.0	.0	.0	.0	.0	.0	3.7	4.1	
NNW		4.3		7.6		4.1	.6	.1	.0	.0	.0	.0	.0	.0	16.6	5.5	
VAR		.0		.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
CLM		.0		.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	16.0	.0	
ALL		26.3		36.3		16.1	4.3	1.0	.0	.0	.0	.0	.0	.0	100.0	4.4	

TOTAL NO. OF OBS : 1058

NOTES : \* = PERCENT < .05

# 1 - SURFACE WINDS

043319 : ATSUGI, JAPAN LAT. : 35 27N LONG. : 139 27E ELEV. : 214 FT  
 PERIOD OF RECORD : 1951-1987 MONTH : DEC  
 CLASS : ALL WEATHER HOUR : 0900 LST  
 CONDITION : NONE SPECIFIED

## PERCENTAGE FREQUENCY OF WIND DIRECTION VS SPEED (FROM HOURLY OBSERVATIONS)

16 PT. DIR.	SPEED (KNOTS)												TOTAL %	MEAN WIND SPEED
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	>56			
N	6.9	14.2	12.5	3.0	.6	.1	.0	.0	.0	.0	.0	.0	37.2	6.5
NNE	4.5	5.2	4.6	1.5	.0	.0	.0	.0	.0	.0	.0	.0	15.7	5.7
NE	2.4	2.4	.9	.0	.1	.0	.0	.0	.0	.0	.0	.0	5.7	4.5
ENE	1.0	.9	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	1.9	4.0
E	.6	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.7	2.3
ESE	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	3.0
SE	.3	.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.8	3.5
SSE	.4	.1	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.6	4.2
S	.8	.5	.8	.2	.1	.0	.0	.0	.0	.0	.0	.0	2.3	6.1
SSW	.5	.3	.6	.2	.0	.1	.0	.0	.0	.0	.0	.0	1.6	7.4
SW	.1	.0	.6	.8	.2	.0	.0	.0	.0	.0	.0	.0	1.6	12.2
WSW	.2	.1	.2	.2	.0	.0	.0	.0	.0	.0	.0	.0	.7	7.4
W	.3	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.7	3.4
WNW	.5	.4	.1	.0	.1	.0	.0	.0	.0	.0	.0	.0	1.0	4.5
NW	1.0	1.5	.4	.2	.0	.0	.0	.0	.0	.0	.0	.0	3.1	4.8
NNW	2.8	4.4	4.1	.7	.2	.0	.0	.0	.0	.0	.0	.0	12.1	6.1
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CLM	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	14.1	.0
ALL	22.1	30.8	24.6	6.9	1.2	.2	.0	.0	.0	.0	.0	.0	100.0	5.2

TOTAL NO. OF OBS : 1048

NOTES :  
 \* = PERCENT < .05

# 1 - SURFACE WINDS

043319 : ATSUGI, JAPAN  
 PERIOD OF RECORD : 1951-1987  
 CLASS : ALL WEATHER  
 CONDITION : NONE SPECIFIED

LAT. : 35 27N LONG. : 139 27E ELEV. : 214 FT  
 MONTH : DEC  
 HOUR : 1200 LST

## PERCENTAGE FREQUENCY OF WIND DIRECTION VS SPEED (FROM HOURLY OBSERVATIONS)

16	PT.	1	1	3	4	6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	>56	TOTAL	MEAN
DIR.																%	WIND SPEED
N	1.7	5.1	5.5	4.4	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	17.1	8.2
NNE	2.3	6.3	5.8	3.3	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	18.1	7.6
NE	1.9	4.4	3.0	1.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	10.2	6.2
ENE	1.9	2.8	1.4	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	6.3	4.9
E	1.6	1.7	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.5	3.9
ESE	1.1	1.2	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.5	3.8
SE	1.3	1.7	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.3	4.3
SSE	1.8	1.4	.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.8	4.2
S	2.2	3.1	3.1	1.1	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	9.6	6.7
SSW	.7	1.5	1.9	1.8	.5	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	6.7	9.7
SW	.3	.5	1.0	1.8	.5	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	4.3	12.5
WSW	.5	.4	.4	.5	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.8	7.8
W	.3	.4	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.8	4.6
WNW	.1	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	6.5
NW	.0	.1	.2	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.4	8.3
NNW	.6	.9	1.5	1.0	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	4.2	8.7
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CLM	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	7.2	.0
ALL	18.3	31.4	24.9	15.3	2.3	.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0	6.7

TOTAL NO. OF OBS : 1047

NOTES :  
 \* = PERCENT < .05



# 1 - SURFACE WINDS

043319 : ATSUGI, JAPAN LAT. : 35 27N LONG. : 139 27E ELEV. : 214 FT  
 PERIOD OF RECORD : 1951-1987 MONTH : DEC  
 CLASS : ALL WEATHER HOUR : 1500 LST  
 CONDITION : NONE SPECIFIED

## PERCENTAGE FREQUENCY OF WIND DIRECTION VS SPEED (FROM HOURLY OBSERVATIONS)

SPEED (KNOTS)														TOTAL	MEAN																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																			
16 PT. 1 1 - 31 4 - 61 7-101 11-161 17-211 22-271 28-331 34-401 41-471 48-551 >=561 %														WIND	SPEED																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																			
DIR.	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1</

TOTAL NO. OF OBS : 1053

NOTES : \* = PERCENT < .05

1 - SURFACE WINDS

043319 : ATSUGI, JAPAN  
PERIOD OF RECORD : 1951-1987  
CLASS : ALL WEATHER  
CONDITION : NONE SPECIFIED  
LAT. : 35 27N LONG. : 139 27E ELEV. : 214 FT  
MONTH : DEC  
HOUR : 1800 LST

PERCENTAGE FREQUENCY OF WIND  
DIRECTION VS SPEED  
(FROM HOURLY OBSERVATIONS)

16 PT.		SPEED (KNOTS)																TOTAL		MEAN	
DIR.	1 - 3	4 - 6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	>56	*							%	WIND	SPEED
N	5.7	9.0	7.1	3.1	.5	.0	.0	.0	.0	.0	.0	.0	25.5	6.3							
NNE	3.2	4.3	3.6	1.8	.1	.0	.0	.0	.0	.0	.0	.0	13.0	6.3							
NE	2.0	2.6	1.1	.5	.0	.0	.0	.0	.0	.0	.0	.0	6.2	5.3							
ENE	1.5	1.0	.4	.1	.0	.0	.0	.0	.0	.0	.0	.0	3.0	4.2							
E	2.0	1.2	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.4	3.3							
ESE	.6	.6	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.2	3.2							
SE	1.1	.6	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.8	3.7							
SSE	.6	.8	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	1.4	3.9							
S	1.0	1.5	.3	.5	.1	.0	.0	.0	.0	.0	.0	.0	3.4	5.6							
SSW	.8	1.3	1.4	1.6	.0	.1	.0	.0	.0	.0	.0	.0	5.2	8.3							
SW	.8	1.2	2.0	.7	.2	.0	.0	.0	.0	.0	.0	.0	4.9	7.7							
WSW	.5	.3	1.2	.3	.0	.0	.0	.0	.0	.0	.0	.0	2.3	7.3							
W	.6	.1	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.8	3.9							
WNW	.6	.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.2	3.7							
NW	.5	1.1	.3	.1	.0	.0	.0	.0	.0	.0	.0	.0	2.0	4.9							
NNW	3.3	2.6	1.6	.7	.1	.0	.0	.0	.0	.0	.0	.0	8.3	5.3							
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0							
CLM	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	16.6	.0							
ALL	24.6	29.0	19.4	9.4	.9	.1	.0	.0	.0	.0	.0	.0	100.0	4.9							

TOTAL NO. OF OBS : 1063

NOTES :  
\* = PERCENT < .05

043319 : ATSUGI, JAPAN  
PERIOD OF RECORD : 1951-1987  
LAT. : 35 27N LONG. : 139 27E ELEV. : 214 FT  
CLASS : ALL WEATHER MONTH : DEC  
CONDITION : NONE SPECIFIED HOUR : 2100 LST

PERCENTAGE FREQUENCY OF WIND  
DIRECTION VS SPEED  
(FROM HOURLY OBSERVATIONS)

16 PT. DIR.		SPEED (KNOTS)												TOTAL %	MEAN WIND SPEED	
1	2	3	4	5	6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	>=56		
N	7.9	15.0				9.0	1.6	.1	.1	.0	.0	.0	.0	.0	33.8	5.6
NNE	2.0	4.8				3.2	.9	.3	.0	.0	.0	.0	.0	.0	11.1	6.3
NE	1.0	1.2				1.0	.1	.0	.0	.0	.0	.0	.0	.0	3.4	5.6
ENE	.4	.7				.2	.0	.0	.0	.0	.0	.0	.0	.0	1.2	4.4
E	.3	.3				.0	.0	.0	.0	.0	.0	.0	.0	.0	.6	3.8
ESE	.1	.3				.0	.0	.0	.0	.0	.0	.0	.0	.0	.4	4.0
SE	.0	.1				.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	4.0
SSE	.3	.1				.2	.0	.0	.0	.0	.0	.0	.0	.0	.6	4.5
S	.5	.2				.4	.2	.0	.0	.0	.0	.0	.0	.0	1.2	6.5
SSW	.4	.7				.6	1.0	.3	.0	.0	.0	.0	.0	.0	3.0	9.1
SW	.1	1.0				.9	.8	.1	.0	.0	.0	.0	.0	.0	2.9	8.2
WSW	.2	.8				.4	.1	.0	.0	.0	.0	.0	.0	.0	1.4	5.7
W	.8	.2				.4	.0	.0	.0	.0	.0	.0	.0	.0	1.3	3.9
WNW	1.0	.8				.1	.0	.0	.0	.0	.0	.0	.0	.0	1.8	3.4
NW	1.8	2.7				.4	.1	.0	.0	.0	.0	.0	.0	.0	5.0	4.2
NNW	6.7	10.0				4.1	1.0	.1	.0	.0	.0	.0	.0	.0	21.8	5.1
VAR	.0	.0				.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CLM	.0	.0				.0	.0	.0	.0	.0	.0	.0	.0	.0	10.4	.0
ALL	23.3	38.8				20.9	5.7	.9	.1	.0	.0	.0	.0	.0	100.0	5.0

TOTAL NO. OF OBS : 1050

NOTES :  
\* = PERCENT < .05

1 - SURFACE WINDS

043319 : ATSUGI, JAPAN LAT. : 35 27N LONG. : 139 27E ELEV. : 214 FT  
 PERIOD OF RECORD : 1951-1987 MONTH : DEC  
 CLASS : ALL WEATHER HOUR : ALL  
 CONDITION : NONE SPECIFIED

PERCENTAGE FREQUENCY OF WIND  
 DIRECTION VS SPEED  
 (FROM HOURLY OBSERVATIONS)

16 PT. AIR.	SPEED (KNOTS)										TOTAL %	MEAN WIND SPEED
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55		
N	6.9	12.2	7.7	2.5	.3	.0*	.0	.0	.0	.0	29.6	6.0
NNE	3.0	5.2	3.8	1.7	.2	.0	.0	.0	.0	.0	13.9	6.4
NE	1.6	2.2	1.2	.4	.0*	.0	.0	.0	.0	.0	5.3	5.5
ENE	1.0	1.1	.6	.1	.0*	.0	.0	.0	.0	.0	2.7	4.7
E	.9	1.0	.2	.0*	.0	.0	.0	.0	.0	.0	2.0	4.0
ESE	.5	.7	.2	.0	.0	.0	.0	.0	.0	.0	1.4	4.1
SE	.5	.7	.3	.0	.0	.0	.0	.0	.0	.0	1.4	4.7
SSE	.6	.5	.3	.0*	.0*	.0	.0	.0	.0	.0	1.5	4.7
S	.8	1.2	1.3	.5	.1	.0*	.0	.0	.0	.0	3.9	7.0
SSW	.5	1.1	1.1	1.1	.3	.1	.0	.0	.0	.0	4.1	9.2
SW	.2	.6	.9	.9	.2	.1	.0	.0	.0	.0	2.8	9.9
WSW	.3	.3	.5	.3	.0*	.0	.0	.0	.0	.0	1.5	7.3
W	.4	.3	.1	.1	.0	.0	.0	.0	.0	.0	.9	4.4
WNW	.4	.4	.1	.1	.0*	.0	.0	.0	.0	.0	.9	4.7
NW	1.2	1.5	.4	.1	.0*	.0	.0	.0	.0	.0	3.2	4.5
NNW	3.4	5.4	3.4	.7	.1	.0	.0	.0	.0	.0	13.1	5.6
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CLM	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	11.8	.0
ALL	22.3	34.2	21.8	8.4	1.3	.2	.0	.0	.0	.0	100.0	5.4

TOTAL NO. OF OBS : 9264

NOTES :  
 \* = PERCENT < .05

043319 : ATSUGI, JAPAN  
 PERIOD OF RECORD : 1951-1987  
 CLASS : ALL WEATHER  
 CONDITION : NONE SPECIFIED

LAT. : 35 27N LONG. : 139 27E ELEV. : 214 FT  
 MONTH : ANN  
 HOUR : ALL

PERCENTAGE FREQUENCY OF WIND  
 DIRECTION VS SPEED  
 (FROM HOURLY OBSERVATIONS)

16 PT.	1	2	3	4	5	6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	>56	TOTAL	MEAN
DIR.	1	2	3	4	5	6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	>56	%	WIND SPEED
N	4.4			9.0			7.6	3.2	.4	.1	.0*	.0*	.0	.0	.0	24.5	6.8
NNE	2.0			4.1			3.6	1.4	.1	.0*	.0*	.0	.0	.0	.0	11.1	6.7
NE	1.1			2.0			1.4	.4	.0*	.0*	.0	.0	.0	.0	.0	5.0	6.0
ENE	.8			1.1			.7	.2	.0*	.0*	.0	.0	.0	.0	.0	2.7	5.6
E	.8			1.1			.7	.1	.0*	.0*	.0	.0	.0	.0	.0	2.6	5.3
ESE	.5			.8			.4	.0*	.0*	.0*	.0	.0	.0	.0	.0	1.8	5.1
SE	.5			.7			.3	.1	.0*	.0*	.0	.0	.0	.0	.0	1.6	5.1
SSE	.7			1.0			.8	.3	.1	.0*	.0*	.0	.0*	.0	.0	3.0	6.6
S	1.5			2.9			4.5	3.3	.6	.1	.0*	.0*	.0	.0	.0	13.0	8.9
SSW	.8			1.5			2.3	2.1	.5	.2	.0*	.0	.0	.0	.0	7.4	9.7
SW	.5			.7			.8	.6	.2	.1	.0*	.0*	.0	.0	.0	2.7	8.6
WSW	.3			.3			.3	.2	.0*	.0*	.0	.0	.0	.0	.0	1.1	6.7
W	.4			.2			.1	.0*	.0	.0*	.0	.0	.0	.0	.0	.7	4.2
WNW	.4			.3			.1	.0*	.0*	.0	.0	.0	.0	.0	.0	.9	4.5
NW	.9			1.0			.3	.1	.0*	.0*	.0	.0	.0	.0	.0	2.3	4.9
NNW	2.0			3.6			2.7	1.1	.2	.0*	.0*	.0	.0	.0	.0	9.8	6.6
VAR	.0			.0			.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CLM	.0			.0			.0	.0	.0	.0	.0	.0	.0	.0	.0	9.7	.0
ALL	17.5			30.1			26.6	13.3	2.2	.5	.1	.0*	.0*	.0	.0	100.0	6.4

TOTAL NO. OF OBS : 07859

NOTES : \* = PERCENT < .05

043319 : ATSUGI, JAPAN  
 PERIOD OF RECORD : 1951-1987  
 CLASS : ALL WEATHER  
 CONDITION : NONE SPECIFIED

LAT. : 35 27N LONG. : 139 27E ELEV. : 214 FT  
 MONTH : DEC  
 HOUR : 0000 LST

PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)

VISIBILITY (STATUTE MILES)

CEILING	>=10	>=6	>=5	>=4	>=3	>=2	1/2	>=2	>=1	1/2	>=1	>=3/4	>=5/8	>=1/2	>=5/16	>=1/4	>=0
UNLIMIT	38.9	55.0	61.1	65.6	72.5	73.9	74.4	74.6	74.9	75.3	75.9	75.3	75.3	75.3	75.4	75.5	75.5
>=20000	38.9	55.5	61.6	66.1	73.1	74.5	75.0	75.3	75.5	75.3	75.9	75.9	75.9	75.9	76.0	76.1	76.1
>=18000	38.9	55.5	61.6	66.1	73.1	74.5	75.0	75.3	75.5	75.3	75.9	75.9	75.9	75.9	76.0	76.1	76.1
>=16000	38.9	55.5	61.6	66.1	73.1	74.5	75.0	75.3	75.5	75.3	75.9	75.9	75.9	75.9	76.0	76.1	76.1
>=14000	38.9	55.7	61.7	66.2	73.4	74.7	75.3	75.5	75.8	75.5	76.1	76.1	76.1	76.1	76.3	76.4	76.4
>=12000	39.1	55.9	62.1	66.6	73.7	75.1	75.6	75.9	76.1	75.9	76.5	76.5	76.5	76.5	76.6	76.8	76.9
>=10000	39.9	56.8	62.9	67.6	74.7	76.1	76.9	77.1	77.4	77.1	77.8	77.8	77.8	77.8	77.9	78.0	78.1
>= 9000	40.1	57.2	63.4	68.1	75.3	76.6	77.4	77.6	77.9	77.6	78.3	78.3	78.3	78.3	78.4	78.5	78.6
>= 8000	40.3	57.9	64.6	69.3	77.1	78.8	79.6	79.9	80.2	79.9	80.5	80.5	80.5	80.5	80.7	80.8	80.9
>= 7000	40.7	58.8	65.5	70.6	78.5	80.2	81.2	81.4	81.7	81.4	82.0	82.0	82.0	82.0	82.2	82.3	82.4
>= 6000	41.3	59.5	66.3	71.5	79.4	81.2	82.2	82.4	82.7	82.4	83.0	83.0	83.0	83.0	83.2	83.3	83.4
>= 5000	43.0	62.6	69.7	75.3	83.3	85.1	86.1	86.4	86.8	86.4	87.2	87.2	87.2	87.2	87.3	87.4	87.6
>= 4500	44.1	63.9	71.4	77.3	85.3	87.1	88.2	88.6	88.9	88.6	89.3	89.3	89.3	89.3	89.4	89.6	89.7
>= 4000	44.5	64.8	72.5	78.5	86.7	88.4	89.8	90.2	90.6	90.2	91.0	91.0	91.0	91.0	91.1	91.2	91.3
>= 3500	44.7	65.3	73.2	79.3	87.6	89.6	91.2	91.6	92.0	91.6	92.3	92.3	92.3	92.3	92.5	92.6	92.7
>= 3000	45.2	66.1	74.2	80.3	88.7	90.7	92.5	93.0	93.3	93.0	93.7	93.7	93.7	93.7	93.8	94.0	94.1
>= 2500	45.7	67.3	75.5	81.5	90.2	92.2	94.0	94.5	95.0	94.5	95.4	95.4	95.4	95.4	95.5	95.6	95.7
>= 2000	46.0	68.1	76.3	82.7	91.3	93.5	95.4	95.9	96.4	95.9	96.7	96.7	96.7	96.7	96.9	97.0	97.1
>= 1800	46.0	68.3	76.5	82.9	91.6	93.7	95.7	96.2	96.7	96.2	97.1	97.1	97.1	97.1	97.2	97.4	97.5
>= 1500	46.2	68.7	76.9	83.4	92.2	94.5	96.7	97.2	97.7	97.2	98.2	98.2	98.2	98.2	98.4	98.5	98.6
>= 1200	46.2	68.7	76.9	83.4	92.2	94.5	96.9	97.4	97.9	97.4	98.4	98.4	98.4	98.4	98.5	98.6	98.7
>= 1000	46.2	69.0	77.1	83.7	92.7	95.1	97.5	98.1	98.6	98.1	99.1	99.1	99.1	99.1	99.2	99.4	99.5
>= 900	46.2	69.0	77.1	83.7	92.7	95.1	97.5	98.1	98.6	98.1	99.1	99.1	99.1	99.1	99.2	99.4	99.5
>= 800	46.2	69.0	77.1	83.7	92.8	95.2	97.7	98.5	99.0	98.5	99.5	99.5	99.5	99.5	99.6	99.7	99.9
>= 700	46.2	69.0	77.1	83.7	92.8	95.2	97.7	98.5	99.0	98.5	99.5	99.5	99.5	99.5	99.6	99.7	99.9
>= 600	46.2	69.0	77.1	83.7	92.8	95.2	97.7	98.5	99.0	98.5	99.5	99.5	99.5	99.5	99.6	99.7	99.9
>= 500	46.2	69.0	77.1	83.7	92.8	95.2	97.7	98.5	99.0	98.5	99.5	99.5	99.5	99.5	99.6	99.7	99.9
>= 400	46.2	69.0	77.1	83.7	92.8	95.2	97.7	98.5	99.0	98.5	99.5	99.5	99.5	99.5	99.6	99.7	99.9
>= 300	46.2	69.0	77.1	83.7	92.8	95.2	97.7	98.5	99.0	98.5	99.5	99.5	99.5	99.5	99.6	99.7	99.9
>= 200	46.2	69.0	77.1	83.7	92.8	95.2	97.7	98.5	99.0	98.5	99.5	99.5	99.5	99.5	99.6	99.7	99.9
>= 100	46.2	69.0	77.1	83.7	92.8	95.2	97.7	98.5	99.0	98.5	99.5	99.5	99.5	99.5	99.6	99.7	100.0
>= 0	46.2	69.0	77.1	83.7	92.8	95.2	97.7	98.5	99.0	98.5	99.5	99.5	99.5	99.5	99.6	99.7	100.0

TOTAL NO. OF OBS : 796

## 2 - CEILING VS VISIBILITY

043319 : ATSUGI, JAPAN  
 PERIOD OF RECORD : 1951-1987  
 CLASS : ALL WEATHER  
 CONDITION : NONE SPECIFIED

LAT. : 35 27N LONG. : 139 27E ELEV. : 214 FT  
 MONTH : DEC  
 HOUR : 0300 LST

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

CEILING	VISIBILITY (STATUTE MILES)																	
	>=10	>=6	>=5	>=4	>=3	>=2	1/2	>=1	1/2	>=1	1/4	>=1	>=3/4	>=5/8	>=1/2	>=5/16	>=1/4	>=0
UNLIMIT	44.8	63.3	67.5	70.6	74.1	74.9	75.2	75.3	75.3	75.7	75.7	75.7	75.7	75.7	75.8	75.8	75.8	75.8
>=20000	44.8	63.4	67.6	70.7	74.3	75.0	75.3	75.4	75.4	75.8	75.8	75.8	75.8	75.8	75.9	75.9	75.9	75.9
>=18000	44.8	63.4	67.6	70.7	74.3	75.0	75.3	75.4	75.4	75.8	75.8	75.8	75.8	75.8	75.9	75.9	75.9	75.9
>=16000	44.8	63.4	67.6	70.7	74.3	75.0	75.3	75.4	75.4	75.8	75.8	75.8	75.8	75.8	75.9	75.9	75.9	75.9
>=14000	44.8	63.6	67.7	70.9	74.5	75.3	75.5	75.7	75.7	76.0	76.0	76.0	76.0	76.0	76.2	76.2	76.2	76.2
>=12000	45.0	63.9	68.1	71.2	75.0	75.9	76.2	76.3	76.3	76.7	76.7	76.7	76.7	76.7	76.8	76.8	76.8	76.8
>=10000	45.8	64.9	69.4	72.6	76.4	77.3	77.8	78.1	78.1	78.4	78.4	78.4	78.4	78.4	78.6	78.6	78.6	78.6
>=9000	46.3	65.6	70.0	73.3	77.0	77.9	78.4	78.7	78.7	79.1	79.1	79.1	79.1	79.1	79.2	79.2	79.2	79.2
>=8000	47.4	67.6	72.0	75.4	79.2	80.1	80.7	81.0	81.0	81.3	81.3	81.3	81.3	81.3	81.5	81.5	81.5	81.5
>=7000	47.7	68.2	72.6	76.0	79.9	80.8	81.5	81.7	81.7	82.1	82.1	82.1	82.1	82.1	82.2	82.2	82.2	82.2
>=6000	48.5	69.4	73.8	77.3	81.2	82.1	82.7	83.0	83.0	83.4	83.4	83.4	83.4	83.4	83.5	83.5	83.5	83.5
>=5000	50.2	71.6	76.2	79.7	84.0	84.9	85.5	85.8	85.8	86.1	86.1	86.1	86.1	86.1	86.3	86.3	86.3	86.3
>=4500	51.7	73.5	78.2	82.1	86.5	87.4	88.0	88.3	88.3	88.7	88.7	88.7	88.7	88.7	88.8	88.8	88.8	88.8
>=4000	52.0	74.7	79.4	83.4	87.9	88.9	89.5	89.9	89.9	90.3	90.3	90.3	90.3	90.3	90.4	90.4	90.4	90.4
>=3500	52.2	75.8	80.7	84.9	89.4	90.4	91.0	91.4	91.4	91.9	91.9	91.9	91.9	91.9	92.1	92.1	92.1	92.1
>=3000	52.6	76.7	81.8	86.3	90.9	92.1	92.7	93.1	93.1	93.6	93.6	93.6	93.6	93.6	93.7	93.7	93.7	93.7
>=2500	53.3	78.1	83.2	88.0	92.7	93.8	94.5	94.8	94.8	95.3	95.3	95.3	95.3	95.3	95.5	95.5	95.5	95.5
>=2000	53.8	79.2	84.5	89.5	94.3	95.5	96.1	96.5	96.5	97.0	97.0	97.0	97.0	97.0	97.1	97.1	97.1	97.1
>=1800	54.0	79.4	84.7	89.8	94.6	95.7	96.3	96.7	96.7	97.2	97.2	97.2	97.2	97.2	97.4	97.4	97.4	97.4
>=1500	54.1	79.8	85.2	90.4	95.3	96.5	97.1	97.5	97.5	98.0	98.0	98.0	98.0	98.0	98.2	98.2	98.2	98.2
>=1200	54.1	79.8	85.2	90.4	95.3	96.5	97.1	97.5	97.5	98.0	98.0	98.0	98.0	98.0	98.2	98.2	98.2	98.2
>=1000	54.1	80.1	85.5	90.7	95.6	96.8	97.5	98.0	98.0	98.6	98.6	98.6	98.6	98.6	98.9	98.9	98.9	98.9
>=900	54.1	80.1	85.5	90.7	95.6	96.8	97.5	98.0	98.0	98.6	98.6	98.6	98.6	98.6	98.9	98.9	98.9	98.9
>=800	54.1	80.1	85.5	90.7	95.6	96.8	97.5	98.0	98.0	98.6	98.6	98.6	98.6	98.6	98.9	98.9	98.9	98.9
>=700	54.1	80.1	85.5	90.7	95.6	96.8	97.5	98.0	98.0	98.6	98.6	98.6	98.6	98.6	98.9	98.9	98.9	98.9
>=600	54.1	80.1	85.5	90.7	95.6	96.8	97.5	98.0	98.0	98.6	98.6	98.6	98.6	98.6	98.9	98.9	98.9	98.9
>=500	54.1	80.1	85.5	90.7	95.6	96.8	97.5	98.0	98.0	98.6	98.6	98.6	98.6	98.6	98.9	98.9	98.9	98.9
>=400	54.1	80.1	85.5	90.7	95.6	96.8	97.5	98.0	98.0	98.6	98.6	98.6	98.6	98.6	98.9	98.9	98.9	98.9
>=300	54.1	80.1	85.5	90.7	95.7	97.0	97.9	98.5	98.5	99.5	99.5	99.5	99.5	99.5	99.9	99.9	99.9	99.9
>=200	54.1	80.1	85.5	90.7	95.7	97.0	97.9	98.5	98.5	99.5	99.5	99.5	99.5	99.5	99.9	99.9	99.9	99.9
>=100	54.1	80.1	85.5	90.7	95.7	97.0	97.9	98.5	98.5	99.5	99.5	99.5	99.5	99.5	99.9	99.9	99.9	99.9
>=0	54.1	80.1	85.5	90.7	95.7	97.0	97.9	98.5	98.5	99.5	99.5	99.5	99.5	99.5	99.9	99.9	99.9	100.0

TOTAL NO. OF OBS : 793

## 2 - CEILING VS VISIBILITY

043319 : ATSUGI, JAPAN

PERIOD OF RECORD : 1951-1987

CLASS : ALL WEATHER

CONDITION : NONE SPECIFIED

LAT. : 35 27N LONG. : 139 27E ELEV. : 214 FT  
MONTH : DEC  
HOUR : 0600 LSTPERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

CEILING	VISIBILITY (STATUTE MILES)															
	>=10	>=6	>=5	>=4	>=3	>=2 1/2	>=2 1/2	>=1 1/2	>=1 1/4	>=1	>=3/4	>=5/8	>=1/2	>=5/16	>=1/4	>=0
UNLIMIT	51.3	65.0	69.1	71.6	74.5	75.1	75.2	75.7	75.8	75.8	75.8	75.8	75.8	75.8	75.9	75.9
>=20000	51.4	65.3	69.5	72.1	75.0	75.5	75.7	76.1	76.2	76.2	76.2	76.2	76.2	76.2	76.3	76.3
>=18000	51.4	65.3	69.5	72.1	75.0	75.5	75.7	76.1	76.2	76.2	76.2	76.2	76.2	76.2	76.3	76.3
>=16000	51.4	65.3	69.5	72.1	75.0	75.5	75.7	76.1	76.2	76.2	76.2	76.2	76.2	76.2	76.3	76.3
>=14000	51.4	65.3	69.5	72.1	75.0	75.5	75.7	76.1	76.2	76.2	76.2	76.2	76.2	76.2	76.3	76.3
>=12000	51.9	65.8	69.9	72.6	75.7	76.2	76.3	76.8	76.9	76.9	76.9	76.9	76.9	76.9	77.0	77.0
>=10000	52.6	67.2	71.4	74.1	77.2	77.7	77.8	78.3	78.4	78.4	78.4	78.4	78.4	78.4	78.5	78.5
>=9000	53.3	68.3	72.6	75.2	78.3	78.9	79.0	79.4	79.6	79.6	79.6	79.6	79.6	79.6	79.7	79.7
>=8000	54.1	69.3	73.6	76.2	79.6	80.3	80.4	80.8	80.9	80.9	80.9	80.9	80.9	80.9	81.1	81.1
>=7000	54.9	70.3	74.5	77.3	80.7	81.4	81.5	82.0	82.1	82.1	82.1	82.1	82.1	82.1	82.2	82.2
>=6000	55.3	70.8	75.3	78.1	81.6	82.3	82.4	82.9	83.0	83.0	83.0	83.0	83.0	83.0	83.1	83.1
>=5000	57.1	73.4	78.2	81.5	85.4	86.1	86.3	86.8	86.9	86.9	86.9	86.9	86.9	86.9	87.0	87.0
>=4500	58.0	75.4	80.5	83.9	87.9	88.7	89.0	89.4	89.6	89.6	89.6	89.6	89.6	89.6	89.7	89.7
>=4000	58.8	76.7	82.0	85.5	89.6	90.4	90.6	91.2	91.3	91.3	91.3	91.3	91.3	91.3	91.4	91.4
>=3500	59.4	78.4	83.9	87.5	91.6	92.4	92.8	93.3	93.5	93.5	93.5	93.5	93.5	93.5	93.6	93.6
>=3000	60.2	79.9	85.5	89.1	93.2	94.0	94.4	94.9	95.1	95.1	95.1	95.1	95.1	95.1	95.2	95.2
>=2500	60.5	80.6	86.3	90.1	94.3	95.1	95.4	96.0	96.1	96.1	96.1	96.1	96.1	96.1	96.2	96.2
>=2000	60.6	81.3	87.3	91.0	95.3	96.2	96.6	97.2	97.4	97.5	97.5	97.5	97.5	97.5	97.6	97.6
>=1800	60.6	81.3	87.3	91.0	95.3	96.2	96.6	97.2	97.4	97.5	97.5	97.5	97.5	97.5	97.6	97.6
>=1500	60.8	81.7	87.8	91.7	96.1	97.1	97.6	98.3	98.4	98.5	98.5	98.5	98.5	98.5	98.6	98.6
>=1200	60.8	81.7	87.8	91.8	96.4	97.7	98.2	99.0	99.1	99.2	99.2	99.2	99.2	99.2	99.3	99.3
>=1000	60.8	81.7	87.8	91.8	96.4	97.7	98.2	99.0	99.1	99.2	99.2	99.2	99.2	99.2	99.3	99.3
>=900	60.8	81.7	87.8	91.8	96.4	97.7	98.2	99.0	99.1	99.2	99.2	99.2	99.2	99.2	99.3	99.3
>=800	60.8	81.7	87.8	91.8	96.4	97.8	98.4	99.2	99.3	99.4	99.4	99.4	99.4	99.4	99.5	99.5
>=700	60.8	81.7	87.9	92.0	96.6	97.9	98.6	99.4	99.5	99.7	99.7	99.7	99.7	99.7	99.8	99.8
>=600	60.8	81.7	87.9	92.0	96.7	98.0	98.9	99.7	99.8	99.9	99.9	99.9	99.9	99.9	100.0	100.0
>=500	60.8	81.7	87.9	92.0	96.7	98.0	98.9	99.7	99.8	99.9	99.9	99.9	99.9	99.9	100.0	100.0
>=400	60.8	81.7	87.9	92.0	96.7	98.0	98.9	99.7	99.8	99.9	99.9	99.9	99.9	99.9	100.0	100.0
>=300	60.8	81.7	87.9	92.0	96.7	98.0	98.9	99.7	99.8	99.9	99.9	99.9	99.9	99.9	100.0	100.0
>=200	60.8	81.7	87.9	92.0	96.7	98.0	98.9	99.7	99.8	99.9	99.9	99.9	99.9	99.9	100.0	100.0
>=100	60.8	81.7	87.9	92.0	96.7	98.0	98.9	99.7	99.8	99.9	99.9	99.9	99.9	99.9	100.0	100.0
>=0	60.8	81.7	87.9	92.0	96.7	98.0	98.9	99.7	99.8	99.9	99.9	99.9	99.9	99.9	100.0	100.0

TOTAL NO. OF OBS : 871



## 2 - CEILING VS VISIBILITY

043319 : ATSUGI, JAPAN

PERIOD OF RECORD : 1951-1987

CLASS : ALL WEATHER

CONDITION : NONE SPECIFIED

LAT. : 35 27N LONG. : 139 27E ELEV. : 214 FT  
MONTH : DEC  
HOUR : 0900 LSTPERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

CEILING	VISIBILITY (STATUTE MILES)															
	>=10	>=6	>=5	>=4	>=3	>=2	1/2	>=1	1/2	>=1	1/4	>=1	1/2	>=1	1/4	>=1/4
UNLIMIT	26.5	36.0	44.6	53.2	64.8	69.0	72.2	73.4	73.5	73.7	74.0	74.0	74.0	74.0	74.0	74.0
>=20000	26.6	36.6	45.2	53.9	65.9	70.0	73.3	74.6	74.7	74.9	75.2	75.2	75.2	75.2	75.2	75.2
>=18000	26.7	37.0	45.6	54.3	66.2	70.4	73.6	74.9	75.1	75.3	75.5	75.5	75.5	75.5	75.5	75.5
>=16000	26.7	37.0	45.6	54.3	66.3	70.5	73.7	75.1	75.2	75.4	75.7	75.7	75.7	75.7	75.7	75.7
>=14000	26.7	37.0	45.7	54.4	66.5	70.6	74.0	75.3	75.4	75.7	75.9	75.9	75.9	75.9	75.9	75.9
>=12000	26.8	37.4	46.3	55.0	67.2	71.4	74.7	76.1	76.3	76.5	76.7	76.7	76.7	76.7	76.7	76.7
>=10000	27.0	37.6	46.5	55.4	67.8	72.0	75.4	76.8	77.0	77.2	77.4	77.4	77.4	77.4	77.4	77.4
>=9000	27.0	37.8	46.8	55.6	68.1	72.4	76.0	77.4	77.6	77.8	78.0	78.0	78.0	78.0	78.0	78.0
>=8000	27.2	38.3	47.6	56.4	69.0	73.3	77.0	78.8	78.9	79.2	79.5	79.5	79.5	79.5	79.5	79.5
>=7000	27.7	38.8	48.3	57.3	70.2	74.5	78.2	80.0	80.1	80.4	80.7	80.7	80.7	80.7	80.7	80.7
>=6000	28.2	39.5	49.0	58.0	71.1	75.5	79.4	81.1	81.3	81.6	81.9	81.9	81.9	81.9	81.9	81.9
>=5000	29.4	41.6	52.3	62.4	76.1	80.8	84.8	86.6	86.8	87.1	87.5	87.5	87.5	87.5	87.5	87.5
>=4500	29.7	42.8	53.7	64.0	78.0	82.8	87.0	88.9	89.0	89.4	89.9	89.9	89.9	89.9	89.9	89.9
>=4000	30.2	43.9	55.5	66.0	80.2	85.3	89.5	91.4	91.5	91.9	92.4	92.4	92.4	92.4	92.4	92.4
>=3500	30.4	44.9	56.7	67.4	81.9	87.1	91.3	93.2	93.3	93.7	94.2	94.2	94.2	94.2	94.2	94.2
>=3000	30.7	45.5	57.3	68.1	82.8	88.1	92.6	94.5	94.6	95.0	95.6	95.6	95.6	95.6	95.6	95.6
>=2500	30.8	45.7	57.9	68.9	83.5	88.8	93.3	95.2	95.3	95.7	96.3	96.3	96.3	96.3	96.3	96.3
>=2000	30.8	46.1	58.5	69.6	84.4	89.9	94.5	96.4	96.5	96.9	97.5	97.5	97.5	97.5	97.5	97.5
>=1800	30.8	46.2	58.6	69.7	84.5	90.1	94.7	96.7	96.8	97.1	97.7	97.7	97.7	97.7	97.7	97.7
>=1500	30.9	46.3	58.8	70.0	85.0	90.7	95.3	97.4	97.5	97.9	98.4	98.4	98.4	98.4	98.4	98.4
>=1200	30.9	46.3	58.8	70.0	85.1	90.8	95.5	97.5	97.6	98.0	98.7	98.7	98.7	98.7	98.7	98.7
>=1000	30.9	46.3	58.9	70.2	85.2	90.9	95.6	97.6	97.7	98.1	98.8	98.8	98.8	98.8	98.8	98.8
>=900	30.9	46.3	59.1	70.3	85.3	91.1	95.7	97.7	98.0	98.3	99.0	99.0	99.0	99.0	99.0	99.0
>=800	30.9	46.3	59.1	70.3	85.4	91.3	95.9	98.1	98.3	98.7	99.4	99.4	99.4	99.4	99.4	99.4
>=700	30.9	46.3	59.1	70.3	85.4	91.3	95.9	98.1	98.3	98.7	99.4	99.4	99.4	99.4	99.4	99.4
>=600	30.9	46.3	59.1	70.3	85.4	91.4	96.1	98.2	98.4	98.8	99.5	99.5	99.5	99.5	99.5	99.5
>=500	30.9	46.3	59.1	70.3	85.4	91.4	96.1	98.4	98.7	99.2	99.9	99.9	99.9	99.9	99.9	99.9
>=400	30.9	46.3	59.1	70.3	85.6	91.5	96.2	98.6	98.8	99.3	100.0	100.0	100.0	100.0	100.0	100.0
>=300	30.9	46.3	59.1	70.3	85.6	91.5	96.2	98.6	98.8	99.3	100.0	100.0	100.0	100.0	100.0	100.0
>=200	30.9	46.3	59.1	70.3	85.6	91.5	96.2	98.6	98.8	99.3	100.0	100.0	100.0	100.0	100.0	100.0
>=100	30.9	46.3	59.1	70.3	85.6	91.5	96.2	98.6	98.8	99.3	100.0	100.0	100.0	100.0	100.0	100.0
>=0	30.9	46.3	59.1	70.3	85.6	91.5	96.2	98.6	98.8	99.3	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NO. OF OBS : 838

## 2 - CEILING VS VISIBILITY

043319 : ATSUGI, JAPAN LAT. : 35 27N LONG. : 139 27E ELEV. : 214 FT  
 PERIOD OF RECORD : 1951-1987 MONTH : DEC  
 CLASS : ALL WEATHER HOUR : 1200 LST  
 CONDITION : NONE SPECIFIED

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

CEILING	VISIBILITY (STATUTE MILES)																		
	>=10	>=6	>=5	>=4	>=3	>=2	1/2	>=1	1/4	>=1	>=3/4	>=5/8	>=1/2	>=5/16	>=1/4	>=0			
UNLIMIT	39.5	57.7	65.3	69.2	73.9	74.3	74.9	75.0	75.0	75.0	75.1	75.1	75.1	75.1	75.1	75.1			
>=20000	40.0	59.2	67.1	71.1	75.7	76.2	76.8	76.9	76.9	76.9	77.0	77.0	77.0	77.0	77.0	77.0			
>=18000	40.0	59.2	67.1	71.1	75.7	76.2	76.9	77.0	77.0	77.0	77.1	77.1	77.1	77.1	77.1	77.1			
>=16000	40.1	59.3	67.2	71.3	76.0	76.4	77.1	77.2	77.2	77.2	77.4	77.4	77.4	77.4	77.4	77.4			
>=14000	40.1	59.5	67.4	71.4	76.2	76.8	77.5	77.7	77.7	77.7	77.9	77.9	77.9	77.9	77.9	77.9			
>=12000	40.2	59.8	67.8	72.1	77.1	77.7	78.4	78.6	78.6	78.6	78.9	78.9	78.9	78.9	78.9	78.9			
>=10000	40.5	60.5	68.8	73.1	78.0	78.9	79.6	79.9	79.9	79.9	80.1	80.1	80.1	80.1	80.1	80.1			
>=9000	40.5	60.6	68.9	73.2	78.3	79.1	79.8	80.1	80.1	80.1	80.3	80.4	80.4	80.4	80.4	80.4			
>=8000	40.7	60.9	69.3	73.8	79.2	80.0	80.7	81.2	81.3	81.3	81.4	81.5	81.5	81.5	81.5	81.5			
>=7000	41.0	61.4	69.9	74.6	80.0	81.0	81.6	82.1	82.2	82.2	82.5	82.6	82.6	82.6	82.6	82.6			
>=6000	41.2	61.9	70.5	75.3	80.8	82.1	82.8	83.3	83.4	83.4	83.6	83.7	83.7	83.7	83.7	83.7			
>=5000	42.5	64.7	73.8	78.9	85.0	86.5	87.3	88.0	88.2	88.2	88.5	88.6	88.6	88.6	88.6	88.6			
>=4500	43.0	66.1	75.3	80.7	87.1	89.1	89.9	90.7	90.8	90.8	91.3	91.4	91.4	91.4	91.4	91.4			
>=4000	43.3	67.5	77.0	82.7	89.2	91.2	92.1	93.1	93.3	93.3	93.7	93.8	93.8	93.8	93.8	93.8			
>=3500	43.4	67.9	77.6	83.5	90.1	92.2	93.3	94.3	94.4	94.4	94.9	95.0	95.0	95.0	95.0	95.0			
>=3000	43.6	68.3	77.9	83.9	90.8	93.0	94.4	95.6	95.7	95.7	96.2	96.3	96.3	96.3	96.3	96.3			
>=2500	43.6	68.4	78.0	84.1	91.2	93.4	95.0	96.3	96.4	96.4	96.9	97.0	97.0	97.0	97.0	97.0			
>=2000	43.7	68.9	78.6	84.7	91.8	94.0	95.6	96.9	97.0	97.0	97.4	97.6	97.6	97.6	97.6	97.6			
>=1800	43.7	68.9	78.6	84.7	91.8	94.0	95.6	96.9	97.0	97.0	97.4	97.6	97.6	97.6	97.6	97.6			
>=1500	43.7	68.9	78.6	84.8	92.0	94.4	96.3	97.6	97.7	97.7	98.3	98.5	98.5	98.5	98.5	98.5			
>=1200	43.7	69.0	78.7	85.0	92.2	94.7	96.5	97.8	97.9	97.9	98.5	98.7	98.7	98.7	98.7	98.7			
>=1000	43.7	69.0	78.7	85.0	92.2	94.8	96.9	98.1	98.3	98.3	98.8	99.1	99.1	99.1	99.1	99.1			
>=900	43.7	69.0	78.7	85.0	92.3	95.0	97.2	98.5	98.6	98.6	99.2	99.4	99.4	99.4	99.4	99.4			
>=800	43.7	69.1	78.9	85.2	92.6	95.2	97.4	98.7	98.8	98.8	99.4	99.7	99.7	99.7	99.7	99.7			
>=700	43.7	69.1	78.9	85.4	92.7	95.4	97.7	99.0	99.1	99.1	99.7	99.9	99.9	99.9	99.9	99.9			
>=600	43.7	69.1	78.9	85.4	92.7	95.4	97.7	99.0	99.1	99.1	99.7	99.9	99.9	99.9	99.9	99.9			
>=500	43.7	69.1	78.9	85.4	92.7	95.4	97.7	99.0	99.1	99.1	99.7	99.9	99.9	99.9	99.9	99.9			
>=400	43.7	69.1	78.9	85.4	92.7	95.4	97.7	99.0	99.1	99.1	99.7	99.9	99.9	99.9	99.9	99.9			
>=300	43.7	69.1	78.9	85.4	92.7	95.4	97.7	99.0	99.1	99.1	99.7	99.9	99.9	99.9	99.9	99.9			
>=200	43.7	69.1	78.9	85.4	92.7	95.4	97.7	99.0	99.1	99.1	99.7	99.9	99.9	99.9	99.9	99.9			
>=100	43.7	69.1	78.9	85.4	92.7	95.4	97.7	99.0	99.1	99.1	99.7	99.9	99.9	99.9	99.9	99.9			
>=0	43.7	69.1	78.9	85.4	92.7	95.4	97.7	99.0	99.1	99.1	99.7	99.9	99.9	99.9	99.9	99.9			

TOTAL NO. OF OBS : 861

043319 : ATSUGI, JAPAN  
 PERIOD OF RECORD : 1951-1987  
 CLASS : ALL WEATHER  
 CONDITION : NONE SPECIFIED

LAT. : 35 27N LONG. : 139 27E ELEV. : 214 FT  
 MONTH : DEC  
 HOUR : 1500 LST

PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)

CEILING	VISIBILITY (STATUTE MILES)															
	>=10	>=6	>=5	>=4	>=3	>=2	1/2	>=1	1/4	>=1	>=3/4	>=5/8	>=1/2	>=5/16	>=1/4	>=0
UNLIMIT	43.7	56.7	62.1	66.4	69.7	71.7	72.9	73.4	73.6	73.8	73.9	73.9	73.9	73.9	73.9	73.9
>=20000	43.8	57.0	62.5	67.0	70.3	72.6	73.8	74.2	74.5	74.6	74.7	74.7	74.7	74.7	74.7	74.7
>=18000	43.9	57.2	62.7	67.2	70.5	72.9	74.1	74.6	74.8	74.9	75.1	75.1	75.1	75.1	75.1	75.1
>=16000	44.1	57.6	63.2	67.7	71.0	73.4	74.6	75.1	75.3	75.4	75.5	75.5	75.5	75.5	75.5	75.5
>=14000	44.3	57.8	63.5	68.1	71.5	73.9	75.3	75.8	76.0	76.1	76.2	76.2	76.2	76.2	76.2	76.2
>=12000	44.5	58.3	64.1	68.6	72.3	74.8	76.4	76.8	77.1	77.3	77.4	77.4	77.4	77.4	77.4	77.4
>=10000	44.7	58.6	64.6	69.1	72.9	75.5	77.1	77.6	77.8	78.0	78.1	78.1	78.1	78.1	78.1	78.1
>=9000	44.7	58.8	64.8	69.6	73.4	76.0	77.7	78.1	78.4	78.7	78.9	78.9	78.9	78.9	78.9	78.9
>=8000	45.0	59.7	65.8	70.5	74.6	77.2	79.1	79.6	79.8	80.2	80.3	80.3	80.3	80.3	80.3	80.3
>=7000	45.2	60.1	66.2	70.9	75.5	78.3	80.3	80.8	81.0	81.5	81.6	81.6	81.6	81.6	81.6	81.6
>=6000	45.5	60.5	66.9	71.6	76.2	79.0	81.1	81.6	81.8	82.3	82.5	82.5	82.5	82.5	82.5	82.5
>=5000	47.0	63.9	71.0	76.0	81.5	84.6	86.9	87.4	87.6	88.1	88.4	88.4	88.4	88.4	88.4	88.4
>=4500	47.5	64.8	72.3	77.8	84.1	87.4	89.9	90.4	90.6	91.1	91.4	91.4	91.4	91.4	91.4	91.4
>=4000	47.6	65.9	73.8	79.2	85.5	89.0	91.6	92.2	92.5	93.1	93.5	93.5	93.5	93.6	93.6	93.6
>=3500	47.9	66.9	74.7	80.3	86.6	90.0	92.8	93.3	93.7	94.4	94.8	94.8	94.8	94.9	94.9	94.9
>=3000	48.2	67.6	75.8	81.6	88.0	91.4	94.3	94.9	95.2	96.0	96.3	96.3	96.3	96.4	96.4	96.4
>=2500	48.2	67.7	76.1	81.9	88.4	92.2	95.0	95.7	96.1	96.8	97.1	97.1	97.1	97.3	97.3	97.3
>=2000	48.2	67.8	76.5	82.3	88.8	92.9	95.8	96.6	96.9	97.6	98.0	98.0	98.0	98.1	98.1	98.1
>=1800	48.2	67.9	76.6	82.4	89.0	93.0	96.0	96.7	97.0	97.7	98.1	98.1	98.1	98.2	98.2	98.2
>=1500	48.2	67.9	76.6	82.4	89.2	93.2	96.2	96.9	97.3	98.1	98.5	98.5	98.5	98.6	98.6	98.6
>=1200	48.2	67.9	76.6	82.7	89.4	93.5	96.4	97.1	97.5	98.3	98.7	98.7	98.7	98.8	98.8	98.8
>=1000	48.2	67.9	76.7	82.8	89.7	93.7	96.7	97.4	97.7	98.6	98.9	98.9	98.9	99.0	99.0	99.0
>=900	48.2	67.9	76.7	82.8	89.7	93.7	96.7	97.4	97.7	98.6	98.9	98.9	98.9	99.0	99.0	99.0
>=800	48.2	67.9	76.7	82.9	90.0	94.1	97.0	97.7	98.1	99.0	99.4	99.4	99.4	99.5	99.5	99.5
>=700	48.2	67.9	76.7	82.9	90.0	94.1	97.3	98.0	98.3	99.4	99.8	99.8	99.8	99.9	99.9	99.9
>=600	48.2	67.9	76.7	82.9	90.0	94.1	97.3	98.0	98.3	99.4	99.8	99.8	99.8	99.9	99.9	99.9
>=500	48.2	67.9	76.7	82.9	90.0	94.1	97.3	98.0	98.3	99.4	99.8	99.8	99.8	99.9	99.9	99.9
>=400	48.2	67.9	76.7	82.9	90.0	94.1	97.3	98.0	98.3	99.4	99.8	99.8	99.9	100.0	100.0	100.0
>=300	48.2	67.9	76.7	82.9	90.0	94.1	97.3	98.0	98.3	99.4	99.8	99.8	99.9	100.0	100.0	100.0
>=200	48.2	67.9	76.7	82.9	90.0	94.1	97.3	98.0	98.3	99.4	99.8	99.8	99.9	100.0	100.0	100.0
>=100	48.2	67.9	76.7	82.9	90.0	94.1	97.3	98.0	98.3	99.4	99.8	99.8	99.9	100.0	100.0	100.0
>=0	48.2	67.9	76.7	82.9	90.0	94.1	97.3	98.0	98.3	99.4	99.8	99.8	99.9	100.0	100.0	100.0

TOTAL NO. OF OBS : 842

043319 : ATSUGI, JAPAN  
 PERIOD OF RECORD : 1951-1987  
 CLASS : ALL WEATHER  
 CONDITION : NONE SPECIFIED

LAT. : 35 27N LONG. : 139 27E ELEV. : 214 FT  
 MONTH : DEC  
 HOUR : 1800 LST

PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)

CEILING	VISIBILITY (STATUTE MILES)																	
	>=10	>=6	>=5	>=4	>=3	>=2	1/2	>=1	1/2	>=1	1/4	>=1	>=3/4	>=5/8	>=1/2	>=5/16	>=1/4	>=0
UNLIMIT	29.5	40.7	47.5	53.0	63.5	67.2	70.4	73.0	73.4	74.5	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0
>=20000	29.6	41.0	47.8	53.4	64.1	67.8	71.2	73.8	74.3	75.3	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8
>=18000	29.8	41.1	47.9	53.5	64.2	67.9	71.3	73.9	74.4	75.4	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9
>=16000	29.8	41.1	47.9	53.5	64.2	67.9	71.3	73.9	74.4	75.4	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9
>=14000	29.8	41.1	47.9	53.5	64.3	68.1	71.5	74.1	74.6	75.8	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3
>=12000	29.9	41.3	48.3	54.1	64.9	68.7	72.3	75.1	75.6	76.9	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.4
>=10000	30.1	42.3	49.6	55.4	66.4	70.5	74.1	77.0	77.4	78.7	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.5
>=9000	30.1	42.4	49.7	55.5	66.6	70.7	74.4	77.3	77.8	79.1	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.8
>=8000	30.3	43.1	50.4	56.2	67.9	72.1	75.9	78.9	79.5	80.8	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.5
>=7000	30.5	43.7	51.0	56.8	68.7	73.0	76.9	79.8	80.4	81.7	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.4
>=6000	30.6	43.9	51.4	57.1	69.5	73.8	77.8	80.9	81.6	83.0	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.7
>=5000	31.5	45.8	54.1	60.1	72.7	77.2	81.8	85.0	85.7	87.1	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.8
>=4500	32.3	47.1	55.6	62.1	74.9	79.5	84.3	87.6	88.3	89.7	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.4
>=4000	32.8	48.2	56.8	63.5	76.6	81.5	86.4	89.7	90.4	92.0	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.7
>=3500	32.9	48.4	57.0	63.9	77.1	82.1	87.1	90.4	91.1	92.8	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.5
>=3000	33.1	49.0	57.9	64.7	78.0	83.1	88.7	92.0	92.7	94.3	94.9	94.9	94.9	94.9	94.9	94.9	94.9	95.0
>=2500	33.2	49.5	58.4	65.4	78.9	84.1	89.6	92.9	93.6	95.4	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.2
>=2000	33.2	50.2	59.1	66.2	79.7	85.1	90.8	94.2	94.9	96.7	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.5
>=1800	33.2	50.2	59.1	66.2	79.7	85.1	90.8	94.2	94.9	96.7	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.5
>=1500	33.2	50.2	59.4	66.6	80.0	85.5	91.3	94.8	95.5	97.4	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.2
>=1200	33.2	50.5	59.7	66.9	80.6	86.3	92.1	95.6	96.3	98.2	98.9	98.9	98.9	98.9	98.9	98.9	98.9	99.1
>=1000	33.2	50.5	59.7	66.9	80.6	86.4	92.2	95.7	96.5	98.3	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.2
>=900	33.2	50.5	59.7	66.9	80.6	86.4	92.3	95.9	96.6	98.5	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.4
>=800	33.2	50.5	59.7	66.9	80.6	86.4	92.4	96.0	96.7	98.6	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.5
>=700	33.2	50.5	59.7	66.9	80.6	86.4	92.4	96.0	96.7	98.6	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.5
>=600	33.2	50.5	59.7	66.9	80.6	86.4	92.6	96.1	96.8	98.7	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.8
>=500	33.2	50.5	59.7	66.9	80.6	86.4	92.6	96.1	96.8	98.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.9
>=400	33.2	50.5	59.7	66.9	80.6	86.4	92.6	96.1	96.8	98.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.9
>=300	33.2	50.5	59.7	66.9	80.6	86.4	92.6	96.1	96.8	98.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.9
>=200	33.2	50.5	59.7	66.9	80.6	86.4	92.6	96.1	96.8	98.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0
>=100	33.2	50.5	59.7	66.9	80.6	86.4	92.6	96.1	96.8	98.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0
>=0	33.2	50.5	59.7	66.9	80.6	86.4	92.6	96.1	96.8	98.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0

TOTAL NO. OF OBS : 847

043319 : ATSUGI, JAPAN LAT. : 35 27N LONG. : 139 27E ELEV. : 214 FT  
 PERIOD OF RECORD : 1951-1987 MONTH : DEC  
 CLASS : ALL WEATHER HOUR : 2100 LST  
 CONDITION : NONE SPECIFIED

PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)

CEILING	VISIBILITY (STATUTE MILES)																	
	>=10	>=6	>=5	>=4	>=3	>=2	1/2	>=1	1/2	>=1	1/4	>=1	>=3/4	>=5/8	>=1/2	>=5/16	>=1/4	>=0
UNLIMIT	33.1	43.6	50.6	56.4	65.4	69.7	73.2	74.4	74.8	75.2	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.6
>=20000	33.1	44.0	51.0	56.7	66.0	70.3	73.8	75.0	75.4	75.8	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.2
>=18000	33.1	44.0	51.0	56.7	66.0	70.3	73.8	75.0	75.4	75.8	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.2
>=16000	33.1	44.0	51.0	56.7	66.0	70.3	73.8	75.0	75.4	75.8	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.2
>=14000	33.1	44.0	51.1	56.9	66.1	70.7	74.2	75.4	75.7	76.2	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.6
>=12000	33.2	44.6	51.7	57.6	66.9	71.8	75.4	76.6	76.9	77.4	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.8
>=10000	33.8	45.4	52.5	58.4	67.9	72.8	76.7	77.9	78.2	78.7	78.8	78.8	78.8	78.8	78.8	78.8	78.8	79.1
>=9000	33.9	45.7	52.8	58.7	68.1	73.1	77.0	78.4	78.7	79.2	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.6
>=8000	34.4	46.5	53.8	59.7	69.5	74.4	78.7	80.0	80.4	80.9	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.3
>=7000	34.5	46.8	54.2	60.1	69.8	75.0	79.3	80.6	81.0	81.5	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.9
>=6000	34.9	47.1	54.6	60.5	70.4	75.6	80.0	81.4	81.7	82.2	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.6
>=5000	37.0	50.7	58.5	64.4	75.4	81.0	86.1	87.4	87.7	88.2	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.6
>=4500	38.5	52.2	60.0	66.0	77.3	83.1	88.2	89.7	90.0	90.5	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.9
>=4000	38.9	52.8	61.1	67.3	78.8	84.6	89.8	91.2	91.6	92.1	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.4
>=3500	39.2	53.5	62.0	68.3	79.8	85.7	91.1	92.5	92.9	93.4	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.8
>=3000	39.2	53.8	62.5	68.9	80.8	86.8	92.2	93.6	94.0	94.5	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.8
>=2500	39.3	54.2	63.0	69.5	81.6	87.9	93.4	95.0	95.3	95.9	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.3
>=2000	39.4	54.7	63.6	70.2	82.6	89.1	94.6	96.3	96.6	97.2	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.6
>=1800	39.5	54.8	63.7	70.3	82.7	89.3	94.8	96.5	96.9	97.5	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.8
>=1500	39.7	54.9	64.1	70.8	83.3	89.9	95.6	97.2	97.6	98.2	98.3	98.3	98.3	98.3	98.3	98.4	98.4	98.7
>=1200	39.7	55.0	64.2	71.0	83.8	90.4	96.0	97.7	98.1	98.7	98.8	98.8	98.8	98.8	98.8	98.9	98.9	99.2
>=1000	39.7	55.2	64.3	71.3	84.1	90.9	96.5	98.2	98.6	99.2	99.3	99.3	99.3	99.3	99.3	99.4	99.4	99.6
>=900	39.7	55.2	64.3	71.3	84.1	90.9	96.5	98.2	98.6	99.2	99.4	99.4	99.4	99.4	99.4	99.5	99.5	99.8
>=800	39.7	55.2	64.3	71.3	84.3	91.0	96.6	98.3	98.7	99.3	99.5	99.5	99.5	99.5	99.5	99.6	99.6	99.9
>=700	39.7	55.2	64.3	71.4	84.4	91.1	96.8	98.4	98.8	99.4	99.6	99.6	99.6	99.6	99.6	99.8	99.8	100.0
>=600	39.7	55.2	64.3	71.4	84.4	91.1	96.8	98.4	98.8	99.4	99.6	99.6	99.6	99.6	99.6	99.8	99.8	100.0
>=500	39.7	55.2	64.3	71.4	84.4	91.1	96.8	98.4	98.8	99.4	99.6	99.6	99.6	99.6	99.6	99.8	99.8	100.0
>=400	39.7	55.2	64.3	71.4	84.4	91.1	96.8	98.4	98.8	99.4	99.6	99.6	99.6	99.6	99.6	99.8	99.8	100.0
>=300	39.7	55.2	64.3	71.4	84.4	91.1	96.8	98.4	98.8	99.4	99.6	99.6	99.6	99.6	99.6	99.8	99.8	100.0
>=200	39.7	55.2	64.3	71.4	84.4	91.1	96.8	98.4	98.8	99.4	99.6	99.6	99.6	99.6	99.6	99.8	99.8	100.0
>=100	39.7	55.2	64.3	71.4	84.4	91.1	96.8	98.4	98.8	99.4	99.6	99.6	99.6	99.6	99.6	99.8	99.8	100.0
>= 0	39.7	55.2	64.3	71.4	84.4	91.1	96.8	98.4	98.8	99.4	99.6	99.6	99.6	99.6	99.6	99.8	99.8	100.0

TOTAL NO. OF OBS : 832

043319 : ATSUGI, JAPAN  
 PERIOD OF RECORD : 1951-1987  
 CLASS : ALL WEATHER  
 CONDITION : NONE SPECIFIED

LAT. : 35 27N LONG. : 139 27E ELEV. : 214 FT  
 MONTH : DEC  
 HOUR : ALL

PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)

CEILING	VISIBILITY (STATUTE MILES)															
	>=10	>=6	>=5	>=4	>=3	>=2	1/2	>=2	>=1	1/2	>=1	1/4	>=1	>=3/4	>=5/8	>=1/2
>=10	>=6	>=5	>=4	>=3	>=2	1/2	>=2	>=1	1/2	>=1	1/4	>=1	>=3/4	>=5/8	>=1/2	>=1/4
UNLIMIT	38.4	52.2	58.5	63.2	69.8	72.0	73.5	74.3	74.5	74.8	75.0	75.0	75.0	75.0	75.0	75.1
>=20000	38.5	52.8	59.0	63.9	70.5	72.7	74.3	75.2	75.3	75.6	75.8	75.8	75.8	75.8	75.9	75.9
>=18000	38.6	52.9	59.1	64.0	70.6	72.8	74.5	75.3	75.4	75.9	75.9	75.9	75.9	75.9	76.0	76.0
>=16000	38.7	53.0	59.2	64.1	70.7	72.9	74.6	75.4	75.6	75.9	76.0	76.0	76.0	76.0	76.1	76.1
>=14000	38.7	53.0	59.3	64.2	70.9	73.2	74.9	75.7	75.9	76.2	76.4	76.4	76.4	76.4	76.5	76.5
>=12000	38.8	53.4	59.8	64.7	71.6	74.0	75.7	76.5	76.7	77.1	77.3	77.3	77.3	77.3	77.4	77.4
>=10000	39.3	54.1	60.7	65.7	72.7	75.1	76.9	77.8	78.0	78.4	78.6	78.6	78.6	78.6	78.6	78.7
>=9000	39.5	54.5	61.1	66.1	73.1	75.6	77.5	78.4	78.6	79.0	79.2	79.2	79.2	79.2	79.2	79.3
>=8000	39.9	55.4	62.1	67.2	74.5	77.0	79.0	80.0	80.2	80.6	80.8	80.8	80.8	80.8	80.8	80.9
>=7000	40.3	56.0	62.8	67.9	75.4	78.0	80.0	81.0	81.2	81.7	81.9	81.9	81.9	81.9	81.9	82.0
>=6000	40.7	56.6	63.5	68.7	76.3	78.9	81.0	82.1	82.3	82.7	82.9	82.9	82.9	82.9	83.0	83.1
>=5000	42.2	59.3	66.7	72.3	80.4	83.3	85.6	86.7	86.9	87.4	87.6	87.6	87.6	87.6	87.7	87.7
>=4500	43.1	60.7	68.4	74.2	82.6	85.6	88.1	89.2	89.4	89.9	90.2	90.2	90.2	90.2	90.2	90.3
>=4000	43.5	61.8	69.7	75.3	84.3	87.4	89.9	91.1	91.4	91.9	92.1	92.1	92.1	92.1	92.2	92.3
>=3500	43.8	62.6	70.7	76.9	85.5	88.7	91.3	92.5	92.8	93.3	93.6	93.6	93.6	93.6	93.7	93.7
>=3000	44.1	63.3	71.6	77.8	86.7	89.9	92.7	94.0	94.2	94.8	95.0	95.0	95.0	95.0	95.1	95.2
>=2500	44.3	63.9	72.3	78.7	87.6	90.9	93.8	95.1	95.3	95.9	96.2	96.2	96.2	96.2	96.3	96.3
>=2000	44.5	64.5	73.0	79.5	88.5	92.0	94.9	96.2	96.5	97.1	97.4	97.4	97.4	97.4	97.5	97.5
>=1800	44.5	64.6	73.1	79.6	88.6	92.1	95.1	96.4	96.6	97.2	97.5	97.5	97.5	97.5	97.6	97.7
>=1500	44.6	64.8	73.4	80.3	89.1	92.7	95.7	97.1	97.3	98.0	98.3	98.3	98.3	98.3	98.4	98.5
>=1200	44.6	64.9	73.5	80.1	89.4	93.0	96.1	97.5	97.7	98.4	98.7	98.7	98.7	98.7	98.8	98.9
>=1000	44.6	64.9	73.6	80.3	89.6	93.3	96.4	97.8	98.0	98.7	99.0	99.0	99.0	99.0	99.1	99.2
>=900	44.6	64.9	73.6	80.3	89.6	93.3	96.5	97.9	98.1	98.8	99.2	99.2	99.2	99.2	99.3	99.3
>=800	44.6	64.9	73.6	80.3	89.7	93.5	96.6	98.1	98.3	99.0	99.4	99.4	99.4	99.4	99.5	99.6
>=700	44.6	64.9	73.6	80.4	89.7	93.5	96.8	98.2	98.4	99.2	99.5	99.5	99.5	99.5	99.6	99.7
>=600	44.6	64.9	73.6	80.4	89.8	93.5	96.8	98.3	98.5	99.2	99.6	99.6	99.6	99.6	99.7	99.8
>=500	44.6	64.9	73.6	80.4	89.8	93.5	96.8	98.3	98.5	99.3	99.7	99.7	99.7	99.7	99.8	99.9
>=400	44.6	64.9	73.6	80.4	89.8	93.6	96.8	98.3	98.6	99.3	99.7	99.7	99.7	99.7	99.8	99.9
>=300	44.6	64.9	73.6	80.4	89.8	93.6	96.9	98.3	98.6	99.4	99.8	99.8	99.8	99.8	99.9	100.0
>=200	44.6	64.9	73.6	80.4	89.8	93.6	96.9	98.3	98.6	99.4	99.8	99.8	99.8	99.8	99.9	100.0
>=100	44.6	64.9	73.6	80.4	89.8	93.6	96.9	98.3	98.6	99.4	99.8	99.8	99.8	99.8	99.9	100.0
>=0	44.6	64.9	73.6	80.4	89.8	93.6	96.9	98.3	98.6	99.4	99.8	99.8	99.8	99.8	99.9	100.0

TOTAL NO. OF OBS : 6680

043319 : ATSUGI, JAPAN  
PERIOD OF RECORD : 1951-1987  
CLASS : ALL WEATHER  
CONDITION : NONE SPECIFIED

LAT. : 35 27N LONG. : 139 27E ELEV. : 214 FT  
MONTH : ANN  
HOUR : ALL

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

CEILING	VISIBILITY (STATUTE MILES)															
	>=10	>=6	>=5	>=4	>=3	>=2 1/2	>=2	>=1 1/2	>=1 1/4	>=1	>=3/4	>=5/8	>=1/2	>=5/16	>=1/4	>=0
UNLIMIT	28.3	39.0	42.9	45.8	49.3	50.4	51.3	51.8	51.9	52.1	52.2	52.2	52.3	52.3	52.3	52.4
>=20000	28.9	40.4	44.5	47.5	51.1	52.3	53.2	53.7	53.8	54.0	54.2	54.2	54.2	54.2	54.3	54.3
>=18000	29.0	40.6	44.6	47.7	51.3	52.5	53.4	53.9	54.0	54.3	54.4	54.4	54.5	54.5	54.5	54.6
>=16000	29.1	40.7	44.9	47.9	51.6	52.7	53.7	54.2	54.3	54.5	54.7	54.7	54.7	54.7	54.8	54.8
>=14000	29.4	41.5	45.7	48.9	52.6	53.8	54.8	55.3	55.4	55.7	55.8	55.8	55.9	55.9	55.9	56.0
>=12000	30.0	42.8	47.3	50.7	54.5	55.9	57.0	57.5	57.6	57.9	58.1	58.1	58.1	58.1	58.2	58.2
>=10000	30.8	44.6	49.3	52.9	57.1	58.6	59.7	60.4	60.5	60.8	60.9	61.0	61.0	61.0	61.1	61.1
>= 8000	31.0	45.1	49.9	53.5	57.7	59.3	60.5	61.1	61.2	61.5	61.7	61.7	61.8	61.8	61.8	61.9
>= 6000	31.8	46.7	51.8	55.7	60.1	61.8	63.1	63.8	64.0	64.3	64.5	64.5	64.6	64.6	64.6	64.7
>= 4000	32.2	47.7	52.9	56.9	61.5	63.2	64.6	65.3	65.5	65.8	66.0	66.0	66.1	66.1	66.2	66.2
>= 2000	32.7	48.6	54.0	58.1	62.8	64.6	66.1	66.8	67.0	67.3	67.5	67.6	67.6	67.6	67.7	67.7
>= 1800	33.2	51.5	57.4	61.9	67.0	68.9	70.5	71.3	71.5	71.9	72.1	72.1	72.2	72.2	72.2	72.3
>= 1600	33.5	53.3	59.4	64.1	69.5	71.6	73.2	74.1	74.2	74.6	74.8	74.9	74.9	75.0	75.0	75.1
>= 1400	33.7	55.0	61.5	66.5	72.1	74.3	76.1	77.0	77.2	77.6	77.8	77.9	77.9	78.0	78.0	78.1
>= 1200	33.6	56.4	63.1	68.2	74.0	76.4	78.2	79.2	79.4	79.8	80.1	80.1	80.2	80.2	80.2	80.3
>= 1000	36.7	57.8	64.8	70.3	76.4	79.0	81.0	82.1	82.2	82.7	83.0	83.0	83.1	83.1	83.2	83.3
>= 900	37.1	58.8	66.1	71.9	78.3	81.1	83.3	84.5	84.7	85.2	85.5	85.6	85.7	85.7	85.7	85.8
>= 800	37.3	59.8	67.4	73.5	80.3	83.4	85.8	87.1	87.3	87.9	88.2	88.3	88.4	88.4	88.4	88.5
>= 700	37.4	60.0	67.7	73.8	80.6	83.8	86.3	87.6	87.9	88.5	88.8	88.9	89.0	89.0	89.0	89.1
>= 600	37.5	60.5	68.4	74.7	82.0	85.4	88.2	89.6	89.9	90.6	91.0	91.0	91.2	91.2	91.2	91.3
>= 500	37.6	60.8	68.9	75.3	82.8	86.4	89.4	91.0	91.3	92.2	92.6	92.6	92.8	92.8	92.8	92.9
>= 400	37.6	61.1	69.2	75.8	83.5	87.2	90.5	92.2	92.5	93.4	94.0	94.0	94.2	94.2	94.2	94.3
>= 300	37.6	61.1	69.3	76.0	83.7	87.6	90.9	92.7	93.1	94.0	94.6	94.6	94.8	94.8	94.9	95.0
>= 200	37.6	61.3	69.5	76.2	84.1	88.1	91.6	93.5	93.9	95.0	95.6	95.6	95.8	95.9	95.9	96.0
>= 100	37.7	61.3	69.6	76.4	84.4	88.5	92.1	94.1	94.5	95.7	96.3	96.4	96.6	96.6	96.7	96.8
>= 0	37.7	61.4	69.7	76.5	84.6	88.8	92.6	94.8	95.2	96.5	97.3	97.4	97.6	97.6	97.7	97.8
>= 0	37.7	61.4	69.8	76.6	84.8	89.1	93.0	95.4	95.8	97.2	98.1	98.2	98.4	98.5	98.5	98.6
>= 0	37.7	61.5	69.8	76.7	84.9	89.2	93.2	95.6	96.1	97.6	98.6	98.7	99.0	99.0	99.1	99.2
>= 0	37.7	61.5	69.8	76.7	85.0	89.3	93.3	95.8	96.3	97.9	98.9	99.0	99.3	99.4	99.5	99.6
>= 0	37.7	61.5	69.8	76.7	85.0	89.3	93.4	95.8	96.3	97.9	99.0	99.1	99.5	99.5	99.6	99.8
>= 0	37.7	61.5	69.8	76.7	85.0	89.3	93.4	95.8	96.3	97.9	99.0	99.1	99.5	99.6	99.7	99.9
>= 0	37.7	61.5	69.8	76.7	85.0	89.3	93.4	95.8	96.3	98.0	99.0	99.1	99.5	99.6	99.7	100.0

TOTAL NO. OF OBS : 70572

DRY-BULB TEMP.	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	> 30	TOTAL D.B./ V.B.	TOTAL WET BULB
>= 73	.0	.0	.0	.0	.0	.0	.0	.0*	.0	.0	.0	.0	.0	.0	.0	.0	.0	1	0
>= 71	.0	.0	.0	.0	.0	.0	.0*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1	0
>= 69	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	0
>= 67	.0	.0	.0	.0	.0*	.0	.0*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3	0
>= 65	.0	.0	.0	.0	.0	.0*	.0	.0*	.0*	.0	.0	.0	.0	.0	.0	.0	.0	3	0
>= 63	.0	.0	.0	.1	.0*	.0*	.0*	.0*	.0*	.0*	.0	.0	.0	.0	.0	.0	.0	17	0
>= 61	.0	.0*	.0*	.1	.1	.0	.1	.0*	.0	.0*	.0	.0	.0	.0	.0	.0	.0	31	1
>= 59	.0	.0*	.0*	.0*	.1	.1	.2	.0*	.0*	.0*	.0	.0	.0	.0	.0	.0	.0	46	8
>= 57	.0	.1	.0*	.1	.1	.1	.2	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	60	9
>= 55	.0*	.0*	.0*	.1	.3	.3	.4	.2	.0*	.0*	.0	.0	.0	.0	.0	.0	.0	123	23
>= 53	.0*	.0*	.1	.1	.3	.5	.5	.2	.0*	.0	.0	.0	.0	.0	.0	.0	.0	154	24
>= 51	.0*	.2	.2	.3	.5	.9	.8	.3	.0*	.0	.0	.0	.0	.0	.0	.0	.0	263	25
>= 49	.1	.1	.3	.6	.8	1.1	1.1	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	378	78
>= 47	.0*	.4	.5	.7	1.3	1.5	1.0	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	470	104
>= 45	.1	.6	.8	1.2	2.0	2.1	.9	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	652	206
>= 43	.1	.8	1.1	1.8	1.6	1.6	.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	631	308
>= 41	.3	1.0	1.2	2.2	2.4	1.4	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	724	449
>= 39	.2	1.5	2.0	2.7	2.6	.6	.0*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	803	647
>= 37	.3	1.6	2.8	4.2	2.3	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	947	824
>= 35	.3	1.7	2.9	3.2	1.2	.0*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	764	980
>= 33	.4	1.6	2.7	2.6	.6	.0*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	654	1093
>= 31	.2	1.2	2.4	1.9	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	495	1054
>= 29	.1	1.3	2.5	1.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	430	814
>= 27	.1	1.2	1.9	.4	.0*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	297	616
>= 25	.0	.8	.8	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	139	504
>= 23	.0	.6	.4	.0*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	87	255
>= 21	.0	.5	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	55	133
>= 19	.0*	.2	.0*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	19	71
>= 17	.0	.1	.0*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	13	21
>= 15	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	5	12
>= 13	.0	.0*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1	6
>= 11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	1
>= 9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	0
>= 7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	0
>= 5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	0
>= 3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	0
>= 1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	0
>= -1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	0
>= -3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	0
>= -5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	0
>= -7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	0



043319 AITSUGI, JAPAN  
PERIOD OF RECORD : 1951-1987

[illegible]

LAT. : 35 27N LONG. : 139 27E ELEV. : 214 FT  
MONTH : JAN PAGE 2

PAGE 2

TEMP.

3 FREQ. WET BULB TEMPERATURE DEPRESSION (DEG F)

[illegible][illegible]

085

40 - MEAN NO. OF HOURS WITH TEMP.			
<=0 F	<=32 F	>=67 F	>=73 F
>=80 F	>=80 F	>=80 F	>=93 F
			TOTAL

8267

[illegible]

0200  
8264

[illegible]

043319 ATSUGI, JAPAN  
 PERIOD OF RECORD : 1951-1987  
 LAT. : 35 27N LONG. : 139 27E ELEV. : 214 FT  
 MONTH : FEB  
 PAGE 1

DRY-BULB TEMP. (DEG F)	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	> 30	TOTAL 0.8-7 W.B.	TOTAL BULB BULB	TOTAL WET WET	TOTAL DEW DEW
>= 75	.0	.0	.0	.0	.0	.0	.0*	.0*	.0	.0	.0	.0	.0	.0	.0	.0	.0	2	2	0	0
>= 73	.0	.0	.0	.0	.0	.0	.0*	.0*	.0	.0	.0	.0	.0	.0	.0	.0	.0	2	2	0	0
>= 71	.0	.0	.0	.0	.0*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1	1	0	0
>= 69	.0	.0	.0	.0	.0*	.0*	.0*	.0*	.0	.0	.0	.0	.0	.0	.0	.0	.0	6	6	0	0
>= 67	.0	.0	.0	.0*	.0	.0*	.0*	.0*	.0	.0*	.0	.0	.0	.0	.0	.0	.0	8	8	0	0
>= 65	.0	.0*	.0*	.0	.0	.0*	.1	.0*	.0*	.0	.0	.0	.0	.0	.0	.0	.0	14	14	0	0
>= 63	.0	.1	.1	.1	.1	.1	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	34	34	7	1
>= 61	.0*	.1	.1	.0*	.1	.1	.1	.1	.0*	.0*	.0	.0	.0	.0	.0	.0	.0	46	46	16	3
>= 59	.0	.0*	.1	.1	.1	.1	.2	.1	.0*	.0	.0	.0	.0	.0	.0	.0	.0	66	66	10	13
>= 57	.0	.1	.1	.3	.2	.3	.2	.2	.0*	.0*	.0	.0	.0	.0	.0	.0	.0	103	103	19	8
>= 55	.0*	.1	.2	.2	.2	.5	.5	.3	.1	.0	.0	.0	.0	.0	.0	.0	.0	150	150	31	14
>= 53	.0*	.2	.2	.3	.5	.4	.6	.3	.0*	.0	.0	.0	.0	.0	.0	.0	.0	187	187	49	23
>= 51	.0*	.3	.4	.4	.6	1.0	.8	.3	.1	.0	.0	.0	.0	.0	.0	.0	.0	288	288	86	25
>= 49	.2	.3	.5	.7	.8	.9	.9	.6	.0*	.0	.0	.0	.0	.0	.0	.0	.0	364	364	110	70
>= 47	.1	.5	.7	.9	1.2	1.6	1.1	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	486	486	164	74
>= 45	.2	1.1	1.0	1.4	1.8	1.8	1.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	633	633	256	87
>= 43	.4	1.1	1.5	1.6	1.5	1.5	.5	.0*	.0	.0	.0	.0	.0	.0	.0	.0	.0	610	610	353	149
>= 41	.2	1.8	1.7	1.9	2.5	1.4	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	740	740	482	190
>= 39	.3	1.6	1.9	1.9	2.0	.7	.0*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	640	640	694	222
>= 37	.4	2.0	2.5	2.9	2.4	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	793	793	735	308
>= 35	.4	2.1	2.3	2.4	1.2	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	651	651	878	399
>= 33	.7	2.0	1.8	2.2	.6	.0*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	551	551	968	441
>= 31	.5	1.5	2.0	1.5	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	421	421	843	500
>= 29	.2	1.2	2.1	.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	309	309	645	482
>= 27	.1	.8	1.3	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	196	196	477	536
>= 25	.0	.6	1.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	122	122	364	466
>= 23	.0	.4	.5	.0*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	67	67	177	498
>= 21	.0*	.2	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	34	34	107	511
>= 19	.0*	.2	.0*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	17	17	53	541
>= 17	.0*	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	6	6	18	479
>= 15	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	0	5	435
>= 13	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	0	0	342
>= 11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	0	0	250
>= 9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	0	0	204
>= 7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	0	0	135
>= 5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	0	0	64
>= 3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	0	0	29
>= 1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	0	0	27
>= -1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	0	0	14
>= -3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	0	0	6
>= -5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	0	0	1

### 3 - PSYCHROMETRIC SUMMARY

LAT. : 35 27N LONG. : 139 27E ELEV. : 214 FT  
MONTH : FEB PAGE 2

043319 ATSUGI, JAPAN  
PERIOD OF RECORD: 1951-1987

DRY-BULB		3 FREQ. WET BULB TEMPERATURE DEPRESSION (DEG F)										TOTAL		TOTAL OBS									
TEMP.		0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	> 30	0.8-1.7	DRY	WET	DEM	
(DEG F)																			W.8.	BULB	BULB	PT.	
TOTAL		3.7	18.3	22.0	19.9	16.1	10.9	6.2	2.5	.3	.0*	.0	.0	.0	.0	.0	.0	.0		7551	7547	7547	

ELEMENT(X)	SUM X	SUM X**2	MEAN	STD DEV	# ORS	<=0 F	<=32 F	>=67 F	>=73 F	>=80 F	>=93 F	TOTAL
28 - REL HUM	443111.	29230905.	58.7	20.639	7547	.0	104.3	1.7	.4	.0	.0	672
15 - DRY BULB	307958.	13074356.	40.8	8.256	7551	31.8	271.2	.0	.0	.0	.0	672
16 - WET BULB	266542.	9792760.	35.3	7.088	7547	1.9	491.5	.0	.0	.0	.0	672
17 - WIND	583280.	5860402.	25.9	10.504	7547							



## 3 - PSYCHROMETRIC SUMMARY

043319 ATSUGI, JAPAN  
PERIOD OF RECORD : 1951-1987LAT. : 35 27N LONG. : 139 27E ELEV. : 214 FT  
MONTH : APR  
PAGE 1

DRY-BULB TEMP. (DEG F)	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	> 30	TOTAL			TOTAL OBS		
																		D.B./ W.B.	DRY	BULB	WET	BULB	DEW PT.
>= 83	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1	1	0	0	0	0
>= 81	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1	1	0	0	0	0
>= 79	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	7	7	0	0	0	0
>= 77	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	24	24	0	0	0	0
>= 75	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	44	44	0	0	0	0
>= 73	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	131	131	0	0	0	0
>= 71	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	141	141	0	0	0	0
>= 69	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	238	238	12	5	0	0
>= 67	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	292	292	59	19	0	0
>= 65	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	420	420	122	45	0	0
>= 63	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	632	632	195	130	0	0
>= 61	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	632	632	313	136	0	0
>= 59	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	740	740	541	250	0	0
>= 57	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	741	741	625	386	0	0
>= 55	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	885	885	808	548	0	0
>= 53	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	600	600	871	584	0	0
>= 51	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	622	622	826	553	0	0
>= 49	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	540	540	786	637	0	0
>= 47	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	446	446	731	622	0	0
>= 45	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	404	404	675	732	0	0
>= 43	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	259	259	506	561	0	0
>= 41	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	164	164	394	531	0	0
>= 39	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	128	128	296	463	0	0
>= 37	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	73	73	201	409	0	0
>= 35	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	30	30	126	330	0	0
>= 33	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	22	22	82	279	0	0
>= 31	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	13	13	31	208	0	0
>= 29	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	5	5	22	197	0	0
>= 27	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1	1	4	140	0	0
>= 25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	0	6	98	0	0
>= 23	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	0	0	100	0	0
>= 21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	0	0	57	0	0
>= 19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	0	0	45	0	0
>= 17	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	0	0	38	0	0
>= 15	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	0	0	16	0	0
>= 13	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	0	0	9	0	0
>= 11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	0	0	6	0	0
>= 9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	0	0	4	0	0
>= 7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	0	0	3	0	0
>= 5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	0	0	1	0	0
TOTAL	5.1	24.2	19.0	17.1	12.3	9.0	6.6	3.7	1.9	.7	.3	.1	.0	.0	.0	.0	.0	8236	8237	8237	8237	8237	8237

ELEMENT(IX)	SUM X	SUM X**2	MEAN	STD DEV	# OPS	40 - MEAN NO. OF HOURS WITH TEMP.						TOTAL
						<=0 F	<=32 F	>=67 F	>=73 F	>=80 F	>=93 F	
28 - REL HUM	574270.	43207046.	69.7	19.618	8237	.0	1.7	76.9	18.3	.4	.0	720
15 - DRY BULB	463026.	26605170.	56.2	8.371	8237	35.2	40.7	6.6	.0	.0	.0	720
16 - WET BULB	417961.	21659305.	50.7	7.401	8237	.0	90.6	1.7	.0	.0	.0	720
17 - DEW PT.	373124.	17722854.	45.3	9.984	8237	.0	.0	.0	.0	.0	.0	720

## 3 - PSYCHROMETRIC SUMMARY

043319 ATSUGI, JAPAN  
PERIOD OF RECORD : 1951-1987LAT. : 35 27N LONG. : 139 27E ELEV. : 214 FT  
MONTH : MAY  
PAGE 1

DRY-BULB TEMP. TDEG F)	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	> 30	TOTAL		
																		O.B./ W.B.	DRY	WET
>= 85	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3	3	0
>= 83	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	11	11	0
>= 81	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	59	59	0
>= 79	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	91	91	0
>= 77	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	186	186	0
>= 75	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	267	267	1
>= 73	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	476	476	6
>= 71	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	526	526	9
>= 69	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	720	720	166
>= 67	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	718	718	325
>= 65	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	857	857	618
>= 63	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	984	984	890
>= 61	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	780	780	640
>= 59	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	839	839	1291
>= 57	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	716	716	1130
>= 55	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	527	527	963
>= 53	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	342	342	751
>= 49	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	194	194	501
>= 47	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	115	115	325
>= 45	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	55	55	181
>= 43	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	32	32	107
>= 41	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	8	8	44
>= 39	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3	3	18
>= 37	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1	1	3
>= 35	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	0	4
>= 33	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	0	94
>= 31	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	0	47
>= 29	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	0	37
>= 27	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	0	18
>= 25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	0	24
>= 23	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	0	8
>= 21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	0	0
>= 19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	0	1
>= 17	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	0	3
TOTAL	6.0	25.3	19.2	14.5	11.8	9.0	6.7	3.3	2.4	1.2	.3	.1	.0	.0	.0	.0	.0	8510	8511	8510

ELEMENT(X)	SUM X	SUM X**2	MEAN	STD DEV	# OBS	40 - MEAN NO. OF HOURS WITH TEMP.					TOTAL
						<=0 F	<=32 F	>=67 F	>=73 F	>=80 F	>=93 F
28 - REL HUM	626484.	48857684.	73.6	17.937	8510	.0	.0	.0	95.5	9.5	.0
15 - DRY BULB	544547.	35272653.	64.0	7.122	8511	35.1	35.1	267.2	.6	.0	744
16 - WET BULB	497979.	29394557.	58.5	5.467	8510	.0	5.5	46.6	.2	.0	744
17 - DEW PT.	463291.	25646265.	54.4	7.062	8510	.0	5.5	14.8	.2	.0	744

## 3 - PSYCHROMETRIC SUMMARY

043319 AITSUGI, JAPAN

LAT. : 35 27N LONG. : 139 27E ELEV. : 214 FT

PERIOD OF RECORD : 1951-1987

MONTH : JUN

PAGE 1

DRY-BULB TEMP. (DEG F)	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	> 30	TOTAL		TOTAL OBS	
																		D.B.	W.B.	DRY	WET
																		BULB	BULB	PT.	PT.
>= 91	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	7	7	0	0
>= 89	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	15	15	0	0
>= 87	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	23	23	0	0
>= 85	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	64	64	0	0
>= 83	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	112	112	0	0
>= 81	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	228	228	0	0
>= 79	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	361	361	9	0
>= 77	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	486	486	30	0
>= 75	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	655	655	148	19
>= 73	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	869	869	383	166
>= 71	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	846	846	579	330
>= 69	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	963	963	946	638
>= 67	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	943	943	1350	863
>= 65	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	859	859	1422	1169
>= 63	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	816	816	1154	1411
>= 61	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	462	462	967	1078
>= 59	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	269	269	594	951
>= 57	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	147	147	323	597
>= 55	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	80	80	187	458
>= 53	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	37	37	106	239
>= 51	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	18	18	47	161
>= 49	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	7	7	17	74
>= 47	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	0	5	57
>= 45	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1	1	1	33
>= 43	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	0	0	11
>= 41	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	0	0	5
>= 39	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	0	0	4
TOTAL	7.2	30.1	22.1	14.7	10.8	7.4	4.3	2.0	.9	.3	.1	.0	.0	.0	.0	.0	.0	8268	8268	8267	8267

ELEMENT(X)	SUM X	SUM X**2	MEAN	STD DEV	# OBS	40 - MEAN NO. OF HOURS WITH TEMP.				TOTAL
28 - REL HUM	659907.	54378485.	79.8	14.375	8268	<=0 F	<=32 F	>=67 F	>=73 F	>=93 F
15 - DRY BULB	577064.	40624346.	69.8	6.535	8269	.0	.0	.0	245.5	55.1
16 - WET BULB	540103.	35478335.	65.3	4.874	8268	32.4	32.4	300.0	49.6	.3
17 - DEW PT.	518773.	32795707.	62.8	5.405	8267	.0	.0	175.8	16.4	.0

## 3 - PSYCHROMETRIC SUMMARY

003319 ATSUGI, JAPAN  
 PERIOD OF RECORD : 1951-1987  
 LAT. : 35 27N LONG. : 139 27E ELEV. : 214 FT  
 MONTH : JUL  
 PAGE 1

DRY-BULB TEMP. (DEG F)	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	> 30	TOTAL			TOTAL OBS		
																		D-8.7	W.B.	BULB	DRY	WET	DEW
>= 95	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
>= 93	.0	.0	.0	.0	.0	.0	.0*	.0	.1	.0*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
>= 91	.0	.0	.0	.0	.0	.0*	.2	.3	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
>= 89	.0	.0	.0	.0*	.1	.7	.6	.3	.0*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
>= 87	.0	.0	.0	.0*	.7	1.7	1.0	.2	.1	.0*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
>= 85	.0	.0	.0*	.4	1.9	1.8	.6	.2	.0*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
>= 83	.0*	.0*	.2	1.3	2.4	1.3	.4	.1	.0*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
>= 81	.0*	.1	1.1	3.5	1.6	.8	.2	.1	.0*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
>= 79	.0*	.9	3.0	4.0	1.3	.5	.1	.0*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
>= 77	.3	3.0	4.8	2.9	1.0	.4	.1	.0*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
>= 75	.7	5.7	4.0	1.8	.5	.2	.1	.0*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
>= 73	1.1	6.2	4.0	1.5	.3	.1	.0*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
>= 71	1.4	4.6	2.4	.7	.3	.1	.0*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
>= 69	1.4	3.8	1.9	.3	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
>= 67	.9	2.3	1.1	.2	.0*	.0*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
>= 65	.6	1.5	.5	.1	.0*	.0*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
>= 63	.4	.7	.4	.1	.0*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
>= 61	.1	.4	.1	.0*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
>= 59	.0*	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
>= 57	.0*	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
>= 55	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
>= 53	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
>= 51	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
>= 49	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOTAL	6.9	29.5	23.6	16.8	10.2	7.8	3.4	1.2	.5	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
																		8280	8288	8281			

ELEMENT(X)	SUM X	SUM X**2	MEAN	STD DEV	# OBS	40 - MEAN NO. OF HOURS WITH TEMP.										TOTAL	
						<=0 F	<=32 F	<=67 F	>=73 F	>=80 F	>=93 F						
28 - REL HUM	680475.	57083731.	82.1	12.105	8288												
15 - DRY BULB	632929.	48660527.	76.4	6.269	8288												
16 - WET BULB	597244.	43228964.	72.1	4.318	8281	.0	.0	704.1	544.4	219.8	2.6						
17 - DEW PT.	581364.	40942310.	70.2	4.359	8287	34.4	34.4	665.1	380.7	15.3	.0						
						.0	.0	608.5	246.4	1.8	.0						





## 3 - PSYCHROMETRIC SUMMARY

043319 ATSUGI, JAPAN  
PERIOD OF RECORD : 1951-1987LAT. : 35 27N LONG. : 139 27E ELEV. : 214 FT  
MONTH : SEP  
PAGE 1

DRY-BULB TEMP. (DEG F)	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	> 30	TOTAL			TOTAL OBS
																		W.B.	BULB	DRY	WET
>= 95	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	4	4	0	0
>= 93	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3	3	0	0
>= 91	.0	.0	.0	.0	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	24	24	0	0
>= 89	.0	.0	.0	.0	.0	.0	.0	.3	.2	.1	.0	.0	.0	.0	.0	.0	.0	62	62	0	0
>= 87	.0	.0	.0	.0	.0	.0	.4	.5	.1	.1	.0	.0	.0	.0	.0	.0	.0	104	104	0	0
>= 85	.0	.0	.0	.0	.1	.5	.7	.5	.3	.1	.0	.0	.0	.0	.0	.0	.0	185	185	0	0
>= 83	.0	.0	.0	.1	.4	.8	.0	.7	.6	.1	.0	.0	.0	.0	.0	.0	.0	238	238	1	1
>= 81	.0	.1	.7	1.3	1.0	.8	.6	.4	.3	.0	.0	.0	.0	.0	.0	.0	.0	412	412	4	4
>= 79	.0	.4	1.5	1.8	1.0	.9	.5	.3	.2	.0	.0	.0	.0	.0	.0	.0	.0	534	534	8	8
>= 77	.1	1.1	2.4	1.6	1.2	1.0	.8	.3	.1	.0	.0	.0	.0	.0	.0	.0	.0	689	689	329	72
>= 75	.4	2.5	1.9	1.9	1.1	.9	.5	.3	.1	.0	.0	.0	.0	.0	.0	.0	.0	755	755	622	288
>= 73	.3	2.8	3.0	2.5	1.5	.8	.3	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	914	914	755	638
>= 71	.5	3.5	3.3	1.4	1.4	.3	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	848	848	836	724
>= 69	.8	3.7	3.7	1.1	.8	.4	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	861	861	995	867
>= 67	1.1	3.8	2.6	1.0	.5	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	735	735	1117	972
>= 65	1.1	3.7	1.6	.6	.3	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	604	604	1103	895
>= 63	.9	3.0	1.5	.6	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	500	500	831	1055
>= 61	.5	1.6	.8	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	264	264	565	753
>= 59	.4	1.3	.4	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	180	180	400	648
>= 57	.1	.6	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	74	74	225	415
>= 55	.1	.3	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	38	38	125	326
>= 53	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	11	11	38	171
>= 51	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	7	7	30	106
>= 49	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	5	5	10	39
>= 47	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1	1	5	31
>= 45	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	0	0	26
>= 43	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	0	0	9
>= 41	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	0	0	4
>= 39	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	0	0	3
>= 37	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	0	0	2
TOTAL	6.2	28.5	23.9	14.7	10.3	7.5	4.9	2.4	1.3	.2	.1	.0	.0	.0	.0	.0	.0	8052	8054	8053	8053

ELEMENT(X)	SUM X	SUM X**2	MEAN	STD DEV	# OBS	40 - MEAN NO. OF HOURS WITH TEMP.						TOTAL
						<=0 F	<=32 F	>=67 F	>=73 F	>=80 F	>=93 F	
28 - REL HUM	640780.	52617014.	79.6	14.174	8051	.0	.0	569.4	350.9	116.3	.6	720
15 - DRY BULB	582921.	42583439.	72.4	6.991	8054	30.3	30.3	422.1	158.5	1.1	.0	720
16 - WET BULB	545364.	37181336.	67.7	5.553	8053	.0	.0	319.2	90.0	.3	.0	720
17 - DEW PT.	525073.	34543879.	65.2	6.185	8053	.0	.0	.0	.0	.0	.0	720

## 3 - PSYCHROMETRIC SUMMARY

043319 ATSUGI, JAPAN

LAT. : 35 27N LONG. : 139 27E ELEV. : 214 FT

PERIOD OF RECORD : 1951-1987

MONTH : OCT  
PAGE 1

DRY-BULB TEMP. (DEG F)	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	> 30	TOTAL			TOTAL OBS		
																		D.B.	W.B.	BULB	DRY	WET	DEW
																							PT.
>= 91	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1	1	0	0	0	0
>= 89	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	0	0	0	0	0
>= 87	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1	1	0	0	0	0
>= 85	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2	2	0	0	0	0
>= 83	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	8	8	0	0	0	0
>= 81	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	35	35	0	0	0	0
>= 79	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	66	66	1	0	0	0
>= 77	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	113	113	2	0	0	0
>= 75	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	195	195	5	1	0	0
>= 73	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	366	366	26	8	0	0
>= 71	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	362	362	61	34	0	0
>= 69	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	527	527	158	51	0	0
>= 67	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	596	596	284	145	0	0
>= 65	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	713	713	456	226	0	0
>= 63	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	966	966	666	399	0	0
>= 61	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	862	862	915	565	0	0
>= 59	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	963	963	1017	801	0	0
>= 57	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	800	800	1095	836	0	0
>= 55	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	705	705	1037	944	0	0
>= 53	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	447	447	844	850	0	0
>= 51	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	256	256	696	756	0	0
>= 49	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	153	153	456	655	0	0
>= 47	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	137	137	277	555	0	0
>= 45	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	66	66	220	512	0	0
>= 43	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	23	23	86	335	0	0
>= 41	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	14	14	53	241	0	0
>= 39	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	8	8	18	169	0	0
>= 37	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2	2	11	135	0	0
>= 35	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	0	4	67	0	0
>= 33	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	0	0	46	0	0
>= 31	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	0	0	29	0	0
>= 29	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	0	0	14	0	0
>= 27	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	0	0	6	0	0
>= 25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	0	0	4	0	0
>= 23	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	0	0	0	0	0
>= 21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	0	0	1	0	0
TOTAL	5.7	27.3	21.7	15.6	11.1	8.4	5.0	3.1	1.5	.5	.1	.0	.0	.0	.0	.0	.0	8387	8389	8388	8385		

ELEMENT(X)	SUM X	SUM X**2	MEAN	STD DEV	# OBS	40 - MEAN NO. OF HOURS WITH TEMP.						TOTAL
						<=0 F	<=32 F	>=67 F	>=73 F	>=80 F	>=93 F	
28 - REL HUM	628335.	49438835.	74.9	16.795	8387							
15 - DRY BULB	522075.	32931783.	62.2	7.254	8389							744
16 - WET BULB	480421.	27831711.	57.3	6.135	8388							744
17 - DEW PT.	447835.	24398325.	53.4	7.566	8385							744
						<=0 F	<=32 F	>=67 F	>=73 F	>=80 F	>=93 F	
						25.9	.0	201.5	69.8	6.7	.0	744
						25.9	25.9	47.6	3.0	.1	.0	744
						.0	4.8	21.2	.8	.0	.0	744

## 3 - PSYCHROMETRIC SUMMARY

043319 AITSUGI, JAPAN LAT. : 35 27N LONG. : 139 27E ELEV. : 214 FT MONTH : NOV  
 PERIOD OF RECORD : 1951-1987 PAGE 1

DRY-BULB TEMP.	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	> 30	TOTAL		
																		D.B./	W.B.	TOTAL OBS
(DEG F)																		BULB	BULB	PT.
>= 81	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1	1	0
>= 79	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3	3	0
>= 77	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	10	10	0
>= 75	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	17	17	0
>= 73	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	46	46	0
>= 71	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	59	59	2
>= 69	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	116	116	9
>= 67	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	180	180	27
>= 65	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	254	254	38
>= 63	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	364	364	79
>= 61	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	392	392	150
>= 59	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	591	591	235
>= 57	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	653	653	174
>= 55	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	882	882	298
>= 53	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	740	740	403
>= 51	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	766	766	477
>= 49	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	723	723	839
>= 47	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	620	620	895
>= 45	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	567	567	731
>= 43	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	391	391	695
>= 41	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	312	312	594
>= 39	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	173	173	473
>= 37	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	105	105	330
>= 35	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	78	78	216
>= 33	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	44	44	124
>= 31	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	28	28	59
>= 29	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	13	13	49
>= 27	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	5	5	18
>= 25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	0	4
>= 23	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	0	2
>= 21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	0	0
>= 19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	0	35
>= 17	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	0	23
>= 15	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	0	18
>= 13	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	0	5
>= 11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	0	0
>= 9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	0	1
TOTAL	3.2	23.1	23.6	17.8	12.7	9.2	6.2	2.9	1.1	.2	.0	.0	.0	.0	.0	.0	.0	8136	8133	8133

ELEMENT(X)		SUM X	SUM X**2	MEAN	STD DEV	# OBS	40 - MEAN NO. OF HOURS WITH TEMP.						TOTAL
							<=0 F	<=32 F	>=67 F	>=73 F	>=80 F	>=93 F	
28	- REL HUM	559902.	41184978.	68.8	18.031	8134							720
15	- DRY BULB	432434.	23520580.	53.2	8.120	8136			4.1	38.3	6.9	.3	.0
16	- WET BULB	389395.	19062741.	47.9	7.179	8133	23.6	35.3	3.4	.0	.0	.0	720
17	- DEW PT.	343437.	15209499.	42.2	9.324	8133	.0	117.7	.7	.0	.0	.0	720

043319 ATSUGI, JAPAN LAT. : 35 27N LONG. : 139 27E ELEV. : 214 FT MONTH : DEC  
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DRY-BULB		TEMP.		0		1-2		3-4		5-6		7-8		9-10		11-12		13-14		15-16		17-18		19-20		21-22		23-24		25-26		27-28		29-30		> 30		TOTAL		TOTAL OBS																											
W.B.		0		1		2		3		4		5		6		7		8		9		10		11		12		13		14		15		16		17		18		19		20		21		22		23		24		25		26		27		28		29		30		TOTAL		TOTAL OBS	
W.B.		0		1		2		3		4		5		6		7		8		9		10		11		12		13		14		15		16		17		18		19		20		21		22		23		24		25		26		27		28		29		30		TOTAL		TOTAL OBS	
W.B.		0		1		2		3		4		5		6		7		8		9		10		11		12		13		14		15		16		17		18		19		20		21		22		23		24		25		26		27		28		29		30		TOTAL		TOTAL OBS	
W.B.		0		1		2		3		4		5		6		7		8		9		10		11		12		13		14		15		16		17		18		19		20		21		22		23		24		25		26		27		28		29		30		TOTAL		TOTAL OBS	
W.B.		0		1		2		3		4		5		6		7		8		9		10		11		12		13		14		15		16		17		18		19		20		21		22		23		24		25		26		27		28		29		30		TOTAL		TOTAL OBS	
W.B.		0		1		2		3		4		5		6		7		8		9		10		11		12		13		14		15		16		17		18		19		20		21		22		23		24		25		26		27		28		29		30		TOTAL		TOTAL OBS	
W.B.		0		1		2		3		4		5		6		7		8		9		10		11		12		13		14		15		16		17		18		19		20		21		22		23		24		25		26		27		28		29		30		TOTAL		TOTAL OBS	
W.B.		0		1		2		3		4		5		6		7		8		9		10		11		12		13		14		15		16		17		18		19		20		21		22		23		24		25		26		27		28		29		30		TOTAL		TOTAL OBS	
W.B.		0		1		2		3		4		5		6		7		8		9		10		11		12		13		14		15		16		17		18		19		20		21		22		23		24		25		26		27		28		29		30		TOTAL		TOTAL OBS	
W.B.		0		1		2		3		4		5		6		7		8		9		10		11		12		13		14		15		16		17		18		19		20		21		22		23		24		25		26		27		28		29		30		TOTAL		TOTAL OBS	
W.B.		0		1		2		3		4		5		6		7		8		9		10		11		12		13		14		15		16		17		18		19		20		21		22		23		24		25		26		27		28		29		30		TOTAL		TOTAL OBS	
W.B.		0		1		2		3		4		5		6		7		8		9		10		11		12		13		14		15		16		17		18		19		20		21		22		23		24		25		26		27		28		29		30		TOTAL		TOTAL OBS	
W.B.		0		1		2		3		4		5		6		7		8		9		10		11		12		13		14		15		16		17		18		19		20		21		22		23		24		25		26		27		28		29		30		TOTAL		TOTAL OBS	
W.B.		0		1		2		3		4		5		6		7		8		9		10		11		12		13		14		15		16		17		18		19		20		21		22		23		24		25		26		27		28		29		30		TOTAL		TOTAL OBS	
W.B.		0		1		2		3		4		5		6		7		8		9		10		11		12		13		14		15		16		17		18		19		20		21		22		23		24		25		26		27		28		29		30		TOTAL		TOTAL OBS	
W.B.		0		1		2		3		4		5		6		7		8		9		10		11		12		13		14		15		16		17		18		19		20		21		22		23		24		25		26		27		28		29		30		TOTAL		TOTAL OBS	
W.B.		0		1		2		3		4		5		6		7		8		9		10		11		12		13		14		15		16		17		18		19		20		21		22		23		24		25		26		27		28		29		30		TOTAL		TOTAL OBS	
W.B.		0		1		2		3		4		5		6		7		8		9		10		11		12		13		14		15		16		17		18		19		20		21		22		23		24		25		26		27		28		29		30		TOTAL		TOTAL OBS	
W.B.		0		1		2		3		4		5		6		7		8		9		10		11		12		13		14		15		16		17		18		19		20		21		22		23		24		25		26		27		28		29		30		TOTAL		TOTAL OBS	
W.B.		0		1		2		3		4		5		6		7		8		9		10		11		12		13		14		15		16		17		18		19		20		21		22		23		24		25		26		27		28		29		30		TOTAL		TOTAL OBS	
W.B.		0		1		2		3		4		5		6		7		8		9		10		11		12		13		14		15		16		17		18		19		20		21		22		23		24		25		26		27		28		29		30		TOTAL		TOTAL OBS	
W.B.		0		1		2		3		4		5		6		7		8		9		10		11		12		13		14		15		16		17		18		19		20		21		22		23		24		25		26		27		28		29		30		TOTAL		TOTAL OBS	
W.B.		0		1		2		3		4		5		6		7		8		9		10		11		12		13		14		15		16		17		18		19		20		21		22		23		24		25		26		27		28		29		30		TOTAL		TOTAL OBS	
W.B.		0		1		2		3		4		5		6		7		8		9		10		11		12		13		14		15		16		17		18		19		20		21		22		23		24		25		26		27		28		29		30		TOTAL		TOTAL OBS	
W.B.		0		1		2		3		4		5		6		7		8		9		10		11		12		13		14		15		16		17		18		19		20		21		22		23		24		25		26		27		28		29		30		TOTAL		TOTAL OBS	
W.B.		0		1		2		3		4		5		6		7		8		9		10		11		12		13		14		15		16		17		18		19		20		21		22		23		24		25		26		27		28		29		30		TOTAL		TOTAL OBS	
W.B.		0		1		2		3		4		5		6		7		8		9		10		11		12		13		14		15		16		17		18		19		20		21		22		23		24		25		26		27		28		29		30		TOTAL		TOTAL OBS	
W.B.		0		1		2		3		4		5		6		7		8		9		10		11		12		13		14		15		16		17		18		19		20		21		22		23		24		25		26		27		28		29		30		TOTAL		TOTAL OBS	
W.B.		0		1		2		3		4		5		6		7		8		9		10		11		12		13		14		15		16		17		18		19		20		21		22		23		24		25		26		27		28		29		30		TOTAL		TOTAL OBS	
W.B.		0		1		2		3		4		5		6		7		8		9		10		11		12		13		14		15		16		17		18		19		20		21		22		23		24		25		26		27		28		29		30		TOTAL		TOTAL OBS	
W.B.		0		1		2		3		4		5		6		7		8		9		10		11		12		13		14		15		16		17		18		19		20		21		22		23		24		25		26		27		28		29		30		TOTAL		TOTAL OBS	
W.B.		0		1		2		3		4		5		6		7		8		9		10		11		12		13		14		15		16		17		18		19		20		21		22		23		24		25		26		27		28		29		30		TOTAL		TOTAL OBS	
W.B.		0		1		2		3		4		5		6		7		8		9		10		11		12		13		14		15		16		17		18		19		20		21		22		23		24		25		26		27		28		29		30		TOTAL		TOTAL OBS	
W.B.		0		1		2		3		4		5		6		7		8		9		10		11		12		13		14		15		16		17		18		19		20		21		22		23		24		25		26		27		28		29		30		TOTAL		TOTAL OBS	
W.B.		0		1		2		3		4		5		6		7		8		9		10		11		12		13		14		15		16		17		18		19		20		21		22		23		24		25		26		27		28		29		30		TOTAL		TOTAL OBS	
W.B.		0		1		2		3		4		5		6		7		8		9		10		11		12		13		14		15		16		17		18		19		20		21		22		23		24		25		26		27		28		29		30		TOTAL		TOTAL OBS	
W.B.		0		1		2		3		4		5		6		7		8		9		10		11		12		13																																							



DRY-BULB TEMP.	3 FREQ. WET BULB TEMPERATURE DEPRESSION (DEG F)										TOTAL W.B.	TOTAL		TOTAL OBS							
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18		19-20	21-22		23-24	25-26	27-28	29-30	> 30	0-8.7	DRY
(DEG F)																			BULB	BULB	PT.
>= -3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	12
>= -5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
>= -7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
TOTAL	4.8	23.9	22.3	17.5	12.7	9.1	5.7	2.6	1.1	3	1	.0*	.0*	.0	.0	.0	.0	98924	98903	98903	

ELEMENT(X)	SUM X	SUM X**2	MEAN	STD DEV	# OBS	QD - MEAN NO. OF HOURS WITH TEMP.						TOTAL
						<=0 F	<=32 F	>=67 F	>=73 F	>=80 F	>=93 F	
28 - REL HUM	7005823.	532774575.	70.8	19.221	98908							8760
15 - DRY BULB	5813308.	364904600.	58.8	15.342	98924							8760
16 - WET BULB	5305458.	307012552.	53.6	15.053	98903	379.9	1174.9	2190.6	1100.0	49.6	.0	8760
17 - DEW PT.	4786903.	264829619.	48.4	18.306	98903	4.8	2061.6	1790.7	733.4	8.6	.0	8760

PERCENT < .05

4 - PERCENTAGE FREQUENCY OF AIR TEMPERATURE  
VERSUS  
WIND DIRECTION  
(FROM HOURLY OBSERVATIONS)

043319 ATSUGI, JAPAN  
PERIOD OF RECORD : 1951-1987  
LAT. : 35 27N LONG. : 139 27E ELEV. : 214 FT  
MONTH : JAN  
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TEMP. (DEG F)	NNW		NNE		ENE		ESE		WIND DIRECTION		WSW		WNW		CALM	TOTAL FREQ.	% OF TOTAL
	E	N	E	N	E	N	E	S	SSE	SSW	E	W	E	NW			
>= 72	20.0	20.0	20.0	20.0	60.0	60.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	5	.0*
>= 67	.0	.0	.0	.0	.0	.0	.0	.0	.0	50.0	16.7	.0	33.3	.0	.0	6	.0*
>= 62	6.7	5.9	5.9	5.9	2.5	2.5	1.7	30.3	46.2	4.2	4.2	.0	.0	.0	2.5	119	.5
>= 57	7.7	9.9	9.9	9.9	7.7	7.7	4.3	31.3	30.4	4.3	4.3	.0	.0	.0	2.6	352	1.4
>= 52	10.3	14.6	14.6	14.6	7.6	7.6	7.1	23.0	25.6	4.3	4.3	.0	.0	.0	5.1	1170	4.8
>= 47	18.0	19.5	19.5	19.5	9.5	9.5	8.0	16.3	15.7	4.2	4.2	.0	.0	.0	6.1	2982	12.1
>= 42	30.9	22.8	22.8	22.8	8.4	8.4	4.9	7.8	10.1	3.9	3.9	.0	.0	.0	7.4	5120	20.8
>= 37	48.6	21.4	21.4	21.4	4.1	4.1	1.8	2.2	4.1	3.4	3.4	.0	.0	.0	9.1	5776	23.5
>= 32	56.0	18.5	18.5	18.5	1.7	1.7	.5	.9	3.2	2.3	2.3	.0	.0	.0	11.2	4981	20.3
>= 27	50.2	16.3	16.3	16.3	1.5	1.5	.7	1.1	2.5	2.4	2.4	.0	.0	.0	18.8	3015	12.3
>= 22	38.7	11.2	11.2	11.2	1.4	1.4	.4	1.2	1.6	1.4	1.4	.0	.0	.0	38.8	851	3.5
>= 17	27.9	10.5	10.5	10.5	1.7	1.7	.6	1.7	.6	1.7	1.7	.0	.0	.0	52.9	172	.7
>= 12	29.2	12.5	12.5	12.5	.0	.0	.0	4.2	4.2	4.2	.0	.0	.0	.0	50.0	24	.1
TOTALS	39.8	19.2	19.2	19.2	4.9	4.9	3.0	6.2	7.9	3.2	3.2	.0	.0	.0	11.0	24573	100.0

NOTES :  
\* = PERCENT < .05



4 - PERCENTAGE FREQUENCY OF AIR TEMPERATURE  
VERSUS  
WIND DIRECTION  
(FROM HOURLY OBSERVATIONS)

043319 ATSUGI, JAPAN  
PERIOD OF RECORD : 1951-1987

LAT. : 35 27N LONG. : 139 27E ELEV. : 214 FT  
MONTH : FEB  
PAGE 1

TEMP. (DEG F)	NW E N	NNE ENE	NE E E	ESE ESE	WIND DIRECTION SSE E S	SSW ESW	WSW E W	NNW ENW	CALM	TOTAL FREQ.	% OF TOTAL
>= 77	.0	.0	.0	.0	.0	100.0	.0	.0	.0	1	.0*
>= 72	7.1	7.1	.0	.0	21.4	64.3	.0	.0	.0	14	.1
>= 67	13.6	.0	.0	.0	11.4	61.4	13.6	.0	.0	44	.2
>= 62	3.2	7.0	2.7	5.9	33.2	43.3	3.2	.5	1.1	187	.8
>= 57	5.7	9.4	6.2	5.7	30.4	32.7	5.1	1.5	3.3	609	2.7
>= 52	11.0	14.5	9.3	7.9	25.2	22.1	3.2	2.1	4.8	1414	6.3
>= 47	21.3	20.3	8.7	7.7	16.4	13.0	3.6	2.6	6.5	2942	13.1
>= 42	36.5	22.7	8.0	4.9	8.2	6.3	2.4	3.5	7.6	4787	21.3
>= 37	51.3	23.9	3.4	1.9	1.6	3.2	2.3	5.0	7.4	5080	22.6
>= 32	61.2	19.9	1.3	.6	.6	1.4	1.8	5.0	8.4	4541	20.2
>= 27	53.7	17.1	1.9	.8	.5	1.4	1.8	6.0	16.9	2091	9.3
>= 22	51.0	10.3	1.4	.3	1.0	.8	1.4	8.4	25.4	622	2.8
>= 17	38.1	12.4	.0	.0	.0	.0	1.0	6.2	42.3	97	.4
>= 12	.0	.0	.0	.0	.0	.0	.0	.0	100.0	2	.0*
TOTALS	42.1	20.1	4.9	3.4	7.2	7.0	2.5	4.2	8.7	22431	100.0

NOTES :  
\* = PERCENT < .05

# 4 - PERCENTAGE FREQUENCY OF AIR TEMPERATURE

VERSUS  
WIND DIRECTION  
(FROM HOURLY OBSERVATIONS)

043319 ATSUGI, JAPAN  
PERIOD OF RECORD : 1951-1987

LAT. : 35 27N LONG. : 139 27E ELEV. : 214 FT  
MONTH : MAR  
PAGE 1

TEMP. (DEG F)	NNW & N		NNE & NE		ENE & E		ESE & SE		WIND DIRECTION SSE & S		SSW & SW		WSW & W		WNW & NW		CALM	TOTAL FREQ.	% OF TOTAL
>= 72	18.5	11.1	14.8	3.7	14.8	3.7	14.8	25.9	3.7	7.4	.0	.0	2.7	.1	2.7	.9	2.7	.1	.1
>= 67	3.2	7.2	3.2	4.5	3.2	4.5	29.7	47.3	29.7	.5	.9	.9	222	.9	.5	.9	222	.9	.9
>= 62	6.1	6.7	6.6	5.5	6.6	5.5	31.7	35.7	31.7	1.3	3.2	3.2	983	3.9	1.3	3.2	983	3.9	3.9
>= 57	8.0	8.5	5.8	6.2	5.8	6.2	38.3	25.3	38.3	1.3	4.4	4.4	2065	8.1	1.3	4.4	2065	8.1	8.1
>= 52	16.7	16.1	9.3	8.0	9.3	8.0	23.4	14.4	23.4	2.4	6.3	6.3	3579	14.1	2.4	6.3	3579	14.1	14.1
>= 47	29.9	22.0	9.0	5.4	9.0	5.4	11.8	8.4	11.8	2.9	8.0	8.0	4935	19.4	2.9	8.0	4935	19.4	19.4
>= 42	50.1	22.6	5.7	2.5	5.7	2.5	3.3	3.1	3.3	4.1	7.2	7.2	6036	23.8	4.1	7.2	6036	23.8	23.8
>= 37	57.6	22.3	3.0	.9	3.0	.9	.9	1.6	.9	4.1	8.5	8.5	4193	16.5	4.1	8.5	4193	16.5	16.5
>= 32	62.0	18.8	1.3	.4	1.3	.4	.9	.2	.9	4.6	11.0	11.0	2498	9.8	4.6	11.0	2498	9.8	9.8
>= 27	50.0	15.1	1.8	.8	1.8	.8	1.5	.8	1.5	5.5	22.7	22.7	728	2.9	5.5	22.7	728	2.9	2.9
>= 22	36.0	12.0	4.0	2.4	4.0	2.4	.8	.0	.8	4.0	38.4	38.4	125	.5	4.0	38.4	125	.5	.5
>= 17	37.5	12.5	12.5	.0	12.5	.0	.0	.0	.0	.0	37.5	37.5	8	.0*	.0	37.5	8	.0*	.0*
TOTALS	38.2	19.0	5.9	3.8	5.9	3.8	11.3	8.6	11.3	3.3	8.0	8.0	25399	100.0	3.3	8.0	25399	100.0	100.0

NOTES :  
\* = PERCENT < .05

4 - PERCENTAGE FREQUENCY OF AIR TEMPERATURE  
VERSUS  
WIND DIRECTION  
(FROM HOURLY OBSERVATIONS)

043319 ATSUGI, JAPAN  
PERIOD OF RECORD : 1951-1987

LAT. : 35 27N LONG. : 139 27E ELEV. : 214 FT  
MONTH : APR  
PAGE 1

TEMP. (DEG F)	NNW & N	NNE & NE	ENE & E	ESE & SE	WIND DIRECTION		WSW & W	NNW & NW	CALM	TOTAL FREQ.	% OF TOTAL
>= 82	.0	.0	.0	25.0	SSE & S	SSW & SW	.0	.0	50.0	4	.0*
>= 77	4.2	11.5	5.2	7.3	45.8	19.8	3.1	.0	3.1	96	.4
>= 72	3.8	6.4	4.5	4.6	49.1	27.8	1.8	.3	1.8	737	3.0
>= 67	3.4	6.9	8.0	4.7	39.6	33.0	1.6	.4	2.3	1820	7.4
>= 62	7.1	9.9	7.0	5.2	37.8	26.6	1.6	.8	3.9	4001	16.3
>= 57	18.7	13.9	6.7	4.8	27.4	16.7	2.1	2.0	7.8	5365	21.9
>= 52	33.3	19.0	8.1	4.3	11.7	8.7	2.0	2.8	10.0	5412	22.1
>= 47	46.7	22.4	6.1	2.1	4.0	2.8	.8	4.2	10.9	3895	15.9
>= 42	56.6	19.1	4.4	.6	.8	1.3	.8	5.2	11.2	2251	9.2
>= 37	55.0	20.9	2.1	.5	1.1	1.1	1.6	6.0	11.7	746	3.0
>= 32	59.8	12.1	1.1	.0	1.7	.0	1.7	5.7	17.8	174	.7
>= 27	54.5	9.1	.0	.0	.0	.0	.0	13.6	22.7	22	.1
>= 22	.0	.0	.0	.0	.0	.0	.0	.0	100.0	1	.0*
TOTALS	27.7	15.6	6.6	3.8	20.1	13.9	1.6	2.6	8.1	24524	100.0

NOTES :  
\* = PERCENT < .05

4 - PERCENTAGE FREQUENCY OF AIR TEMPERATURE  
VERSUS  
WIND DIRECTION  
(FROM HOURLY OBSERVATIONS)

043319 ATSUGI, JAPAN  
PERIOD OF RECORD : 1951-1987

LAT. : 35 27N LONG. : 139 27E ELEV. : 214 FT  
MONTH : MAY  
PAGE 1

TEMP. '(DEG F)	NNW		NNE		ENE		ESE		WIND DIRECTION		WSW		WNW		CALM	TOTAL FREQ.	% OF TOTAL
	C N	C NE	C NE	C E	C E	C SE	C SE	C S	SSE	SSW	C W	C W	C NW	C NW			
>= 87	.0	.0	.0	.0	.0	100.0	3.9	.0	53.9	22.7	.0	.0	.0	.0	.0	1	.0*
>= 82	.8	6.3	6.3	10.9	6.3	5.9	3.9	.0	49.4	23.7	.8	.8	.0	.8	.8	128	.5
>= 77	4.1	7.2	7.2	6.3	7.1	6.7	5.9	46.6	42.0	22.7	1.6	1.6	.3	2.4	2.4	923	3.6
>= 72	4.8	9.1	9.1	6.1	6.1	5.9	6.7	42.0	27.5	21.9	1.5	1.5	.4	2.9	2.9	2970	11.7
>= 67	8.0	12.7	12.7	6.7	6.7	4.4	4.4	27.5	11.9	15.5	2.1	2.1	.5	5.0	5.0	4998	19.7
>= 62	19.0	17.4	17.4	5.2	5.2	2.6	2.6	11.9	3.4	7.3	1.8	1.8	2.1	10.2	10.2	6875	27.1
>= 57	35.7	19.1	19.1	3.5	3.5	2.1	2.1	3.4	1.1	2.3	1.3	1.3	3.9	14.2	14.2	5743	22.6
>= 52	47.4	13.4	13.4	2.1	2.1	.6	.6	1.1	.8	.8	.7	.7	4.9	16.0	16.0	2868	11.3
>= 47	52.9	4.8	4.8	2.4	2.4	.0	.0	.8	.0	.0	.0	.0	4.6	23.8	23.8	717	2.8
>= 42	61.9	9.1	9.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	5.6	24.6	24.6	126	.5
>= 37	36.4	12.8	12.8	5.8	5.8	4.2	4.2	.0	26.4	14.1	1.7	1.7	36.4	18.2	18.2	11	.0*
TOTALS	22.7												2.3	10.0	10.0	25360	100.0

NOTES :  
\* = PERCENT < .05

4 - PERCENTAGE FREQUENCY OF AIR TEMPERATURE  
VERSUS  
WIND DIRECTION  
(FROM HOURLY OBSERVATIONS)

043319 ATSUGI, JAPAN  
PERIOD OF RECORD : 1951-1987

LAT. : 35 27N LONG. : 139 27E ELEV. : 214 FT  
MONTH : JUN  
PAGE 1

TEMP. (DEG F)	NNW		NNE		ENE		ESE		SSE		SSW		WSW		WNW		CALM	TOTAL FREQ.	% OF TOTAL
	E	N	E	N	E	N	E	S	E	S	E	S	E	W	E	W			
>= 92	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	8	.0*
>= 87	.8	.0	2.4	.0	4.1	.0	4.1	.0	62.5	48.8	37.5	.0	3.3	.0	.0	.0	1.6	123	.5
>= 82	3.0	.0	5.4	.0	6.3	.0	6.3	.0	46.0	46.0	27.5	.0	1.6	.0	.0	.0	3.6	873	3.6
>= 77	3.0	.0	6.8	.0	6.8	.0	7.2	.0	46.2	46.2	24.7	.0	1.7	.0	.0	.0	3.2	2839	11.6
>= 72	8.9	.0	9.4	.0	6.8	.0	5.6	.0	40.6	40.6	18.9	.0	1.7	.0	1.0	.0	7.2	5652	23.0
>= 67	20.1	.0	13.1	.0	7.2	.0	4.7	.0	26.5	26.5	12.0	.0	1.6	.0	2.6	.0	12.2	7101	28.9
>= 62	40.0	.0	18.7	.0	6.1	.0	2.3	.0	8.5	8.5	4.0	.0	1.4	.0	3.5	.0	15.5	5709	23.2
>= 57	55.9	.0	18.4	.0	4.4	.0	.8	.0	1.5	1.5	.7	.0	.7	.0	4.8	.0	12.9	1838	7.5
>= 52	60.3	.0	16.0	.0	2.6	.0	.5	.0	.3	.3	.3	.0	.8	.0	2.6	.0	16.8	388	1.6
>= 47	71.1	.0	4.4	.0	.0	.0	.0	.0	2.2	2.2	.0	.0	.0	.0	2.2	.0	20.0	45	.2
>= 42	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0	3	.0*
TOTALS	22.9	.0	12.9	.0	6.4	.0	4.3	.0	26.3	26.3	12.8	.0	1.5	.0	2.3	.0	10.6	24579	100.0

NOTES :  
\* = PERCENT < .05

4 - PERCENTAGE FREQUENCY OF AIR TEMPERATURE  
VERSUS  
WIND DIRECTION  
(FROM HOURLY OBSERVATIONS)

043319 ATSUGI, JAPAN  
PERIOD OF RECORD : 1951-1987

LAT. : 35 27N LONG. : 139 27E ELEV. : 214 FT  
MONTH : JUL  
PAGE 1

TEMP. (DEG F)	NNW		NNE		ENE		ESE		WIND DIRECTION		WSW		WNW		CALM	TOTAL FREQ.	% OF TOTAL
	E N	.0	E NE	.0	E E	.0	E SE	SSE	SSW	E W	E NW						
>= 97	.0	.0	.0	.0	.0	.0	33.3	.0	.0	66.7	.0	.0	.0	.0	.0	3	.0*
>= 92	2.8	5.0	5.0	5.0	5.0	55.3	8.5	55.3	15.6	2.1	5.7	2.1	.0	5.7	141	.6	
>= 87	1.7	4.2	4.2	6.7	6.7	57.4	6.2	57.4	20.3	.5	.1	.5	.1	2.7	1459	5.9	
>= 82	3.8	5.7	5.7	4.8	4.8	50.4	5.4	50.4	24.3	1.1	.3	1.1	.3	4.1	3599	14.6	
>= 77	9.0	7.6	7.6	5.8	5.8	38.0	4.2	38.0	21.6	1.7	1.4	1.7	1.4	10.7	6329	25.7	
>= 72	17.8	12.2	12.2	5.8	5.8	26.9	3.5	26.9	10.6	1.9	2.8	1.9	2.8	18.4	7838	31.8	
>= 67	32.6	19.4	19.4	6.9	6.9	11.0	2.6	11.0	5.1	1.2	2.4	1.2	2.4	18.7	3951	16.0	
>= 62	48.7	30.4	30.4	5.0	5.0	2.9	.8	2.9	1.0	.7	1.2	.7	1.2	9.3	1164	4.7	
>= 57	66.4	30.5	30.5	1.6	1.6	.8	.0	.8	.0	.0	.0	.0	.0	.8	128	.5	
>= 52	100.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	9	.0*	
>= 47	.0	50.0	50.0	.0	.0	.0	50.0	.0	.0	.0	.0	.0	.0	.0	2	.0*	
TOTALS	16.6	11.7	11.7	5.8	5.8	31.4	3.9	31.4	14.6	1.5	1.8	1.5	1.8	12.9	24623	100.0	

NOTES :  
\* = PERCENT < .05

4 - PERCENTAGE FREQUENCY OF AIR TEMPERATURE  
VERSUS  
WIND DIRECTION  
(FROM HOURLY OBSERVATIONS)

043319 ATSUGI, JAPAN

PERIOD OF RECORD : 1951-1987

LAT. : 35 27N LONG. : 139 27E ELEV. : 214 FT  
MONTH : AUG  
PAGE 1

TEMP. (DEG F)	NNW & N	NNE & NE	ENE & E	ESE & SE	WIND DIRECTION SSE & S	SSW & SW	WSW & W	WNW & NW	CALM	TOTAL FREQ.	% OF TOTAL
>= 97	20.0	.0	40.0	.0	20.0	20.0	.0	.0	.0	5	.0*
>= 92	5.5	8.5	5.5	7.9	44.9	21.9	1.4	.3	4.1	365	1.5
>= 87	3.2	5.7	6.1	6.1	51.8	23.6	1.1	.3	2.2	2694	10.9
>= 82	6.5	7.9	6.1	4.8	45.2	22.9	1.1	1.0	4.5	4921	19.9
>= 77	14.7	9.2	5.2	3.3	36.4	16.5	1.8	2.4	10.5	7990	32.4
>= 72	32.1	13.9	4.8	2.5	14.5	6.6	1.8	4.0	19.9	6502	26.3
>= 67	57.3	17.0	2.1	2.1	1.9	.9	.6	4.5	13.5	1861	7.5
>= 62	81.0	12.0	.0	.3	.0	.0	.0	3.3	3.3	332	1.3
>= 57	85.7	.0	14.3	.0	.0	.0	.0	.0	.0	7	.0*
>= 52	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
>= 47	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
>= 42	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
>= 37	.0	100.0	.0	.0	.0	.0	.0	.0	.0	0	.0
TOTALS	20.4	10.4	5.1	3.6	31.1	14.6	1.5	2.4	10.9	24678	100.0

NOTES :  
\* = PERCENT < .05

4 - PERCENTAGE FREQUENCY OF AIR TEMPERATURE  
VERSUS  
WIND DIRECTION  
(FROM HOURLY OBSERVATIONS)

043319 ATSUGI, JAPAN  
PERIOD OF RECORD : 1951-1987  
LAT. : 35 27N LONG. : 139 27E ELEV. : 214 FT  
MONTH : SEP  
PAGE 1

TEMP. (DEG F)	NNW		NNE		ENE		ESE		SSE		SSW		WSW		WNW		CALM		TOTAL		% OF	
	E	N	E	N	E	E	E	S	E	S	E	S	E	W	E	N			FREQ.	TOTAL	TOTAL	
>= 97	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0	.0	.0	.0	.0	.0	.0	.0	2	.0	.0	.0*
>= 92	.0	.0	5.9	7.2	5.9	7.4	5.9	44.1	38.2	.0	38.2	.0	.0	.0	.0	.0	.0	.0	34	.1	.1	.1
>= 87	6.5	6.5	7.2	10.5	7.4	7.3	7.9	39.5	27.0	1.4	23.9	1.4	1.4	2.5	.7	.4	2.5	3.0	570	2.4	2.4	2.4
>= 82	6.3	6.3	10.5	13.0	7.3	10.1	5.9	41.5	23.9	1.2	19.9	1.2	1.2	3.0	.4	.4	3.0	3.0	1889	7.9	7.9	7.9
>= 77	10.7	10.7	13.0	16.8	10.1	10.1	5.9	31.3	19.9	1.7	14.3	1.7	1.7	5.9	1.5	1.5	5.9	5.9	4133	17.2	17.2	17.2
>= 72	31.2	31.2	17.7	17.7	7.2	7.2	4.5	14.3	9.4	2.0	2.5	2.0	2.0	3.1	3.1	3.1	11.3	11.3	6310	26.3	26.3	26.3
>= 67	54.5	54.5	14.6	14.6	3.6	3.6	1.4	3.3	2.5	1.3	.9	.9	1.3	3.8	3.8	3.8	11.7	11.7	6039	25.2	25.2	25.2
>= 62	68.6	68.6	14.6	14.6	1.4	1.4	.5	.9	.9	.5	.5	.5	.5	4.6	4.6	4.6	8.0	8.0	3758	15.7	15.7	15.7
>= 57	75.5	75.5	9.3	9.3	.6	.6	.2	.6	.6	.1	.1	.1	.1	5.9	5.9	5.9	7.3	7.3	1089	4.5	4.5	4.5
>= 52	75.0	75.0	3.7	3.7	3.0	3.0	.0	.6	.6	.0	.0	.0	.6	8.5	8.5	8.5	8.5	8.5	164	.7	.7	.7
>= 47	84.6	84.6	7.7	7.7	.0	.0	.0	.0	.0	.0	.0	.0	7.7	.0	.0	.0	.0	.0	13	.1	.1	.1
TOTALS	39.2	39.2	14.8	14.8	5.6	5.6	3.3	14.4	9.3	1.4	.9	.9	1.4	3.1	3.1	3.1	8.9	8.9	24001	100.0	100.0	100.0

NOTES :  
\* = PERCENT < .05



4 - PERCENTAGE FREQUENCY OF AIR TEMPERATURE  
VERSUS  
WIND DIRECTION  
(FROM HOURLY OBSERVATIONS)

043319 AITSUGI, JAPAN  
PERIOD OF RECORD : 1951-1987

LAT. : 35 27N LONG. : 139 27E ELEV. : 214 FT  
MONTH : OCT  
PAGE 1

TEMP. (DEG F)	NW & N	NNE & NE	ENE & E	ESE & SE	WIND DIRECTION SSE & S	SSW & SW	WSW & W	WNW & NW	CALM	TOTAL FREQ.	% OF TOTAL
>= 92	.0	.0	.0	100.0	.0	.0	.0	.0	.0	1	.0*
>= 87	.0	16.7	16.7	.0	33.3	33.3	.0	.0	.0	6	.0*
>= 82	3.4	19.3	10.2	6.8	30.7	29.5	.0	.0	.0	88	.4
>= 77	5.2	15.3	10.1	9.0	28.0	27.6	1.0	.3	3.1	575	2.3
>= 72	13.6	21.6	12.1	6.7	22.3	17.6	1.6	.8	3.7	2185	8.7
>= 67	29.1	23.1	9.8	4.9	11.9	11.0	1.5	2.1	6.6	3829	15.3
>= 62	50.8	20.4	5.1	2.7	4.5	4.4	1.2	3.3	7.6	6339	25.4
>= 57	65.9	16.8	2.1	.9	1.3	.9	.6	4.7	6.9	6519	26.1
>= 52	72.0	13.0	1.1	.2	.4	.7	.7	6.0	5.9	3971	15.9
>= 47	70.5	12.1	1.2	.1	.4	.2	.5	7.0	8.0	1158	4.6
>= 42	64.9	9.2	.7	.4	.7	.7	.0	8.5	14.9	282	1.1
>= 37	55.0	10.0	2.5	.0	.0	.0	.0	2.5	30.0	40	.2
TOTALS	51.4	18.1	4.9	2.5	6.1	5.5	1.0	3.8	6.7	24993	100.0

NOTES :  
\* = PERCENT < .05

4 - PERCENTAGE FREQUENCY OF AIR TEMPERATURE  
VERSUS  
WIND DIRECTION  
(FROM HOURLY OBSERVATIONS)

043319 ATSUGI, JAPAN  
PERIOD OF RECORD : 1951-1987

LAT. : 35 27N LONG. : 139 27E ELEV. : 214 FT  
MONTH : NOV  
PAGE 1

TEMP. (DEG F)	NNW E N	NNE ENE	ENE E E	ESE ESE	WIND DIRECTION SSE E S	SSW ESW	WSW E W	WNW ENW	CALM	TOTAL FREQ.	% OF TOTAL
>= 80	.0	.0	.0	.0	.0	100.0	.0	.0	.0	1	.0*
>= 77	2.9	5.7	2.9	.0	37.1	48.6	2.9	.0	.0	35	.1
>= 72	6.5	10.7	6.1	3.1	34.9	33.3	1.1	.4	3.8	261	1.1
>= 67	9.4	15.0	8.9	8.4	23.2	27.4	2.2	.6	4.8	964	4.0
>= 62	21.4	19.0	9.1	6.8	16.0	16.9	1.9	1.6	7.2	2429	10.0
>= 57	37.7	22.8	7.3	4.6	6.9	7.9	1.9	2.7	8.3	4270	17.6
>= 52	53.4	21.3	4.3	2.0	3.0	3.3	1.4	3.5	7.8	5918	24.4
>= 47	60.6	19.8	2.8	.8	1.2	1.3	.7	4.5	8.4	5099	21.1
>= 42	64.6	16.3	1.8	.3	.6	.8	1.1	5.9	8.6	3467	14.3
>= 37	62.6	15.5	.7	.4	.6	1.0	.8	6.5	11.8	1293	5.3
>= 32	54.2	14.4	1.5	.0	.7	2.0	2.2	7.7	17.3	404	1.7
>= 27	48.7	21.2	1.2	.0	.0	.0	1.2	7.5	20.0	80	.3
>= 22	.0	.0	.0	.0	.0	.0	.0	.0	100.0	1	.0*
TOTALS	48.7	19.5	4.6	2.6	5.3	5.9	1.4	3.8	8.3	24222	100.0

NOTES :  
\* = PERCENT < .05

4 - PERCENTAGE FREQUENCY OF AIR TEMPERATURE  
VERSUS  
WIND DIRECTION  
(FROM HOURLY OBSERVATIONS)

043319 ATSUGI, JAPAN  
PERIOD OF RECORD : 1951-1987

LAT. : 35 27N LONG. : 139 27E ELEV. : 214 FT  
MONTH : DEC  
PAGE 1

TEMP. (DEG F)	NNW E N		NNE ENE		ENE E E		ESE E SE		WIND DIRECTION SSE E S		SSW ESW		WSW E W		WNW ENW		CALM		TOTAL FREQ.		% OF TOTAL	
	E N		ENE		E E		E SE		SSE		ESW		E W		ENW							
>= 72	.0		.0		.0		.0		11.1		55.6		22.2		.0		11.1		9		.0*	
>= 67	9.0		15.4		5.1		2.6		21.8		39.7		1.3		.0		5.1		78		.3	
>= 62	3.4		13.5		8.5		5.3		25.6		35.7		3.2		1.7		3.2		473		1.9	
>= 57	10.1		15.9		10.3		8.2		19.4		26.2		2.7		1.6		5.6		1391		5.6	
>= 52	20.0		21.0		9.2		7.4		14.5		15.0		3.5		1.9		7.6		2976		12.0	
>= 47	34.0		23.0		7.9		4.6		7.4		7.8		2.4		3.2		9.6		4459		18.0	
>= 42	51.1		20.5		4.1		1.7		3.0		3.3		1.6		4.6		10.0		5977		24.1	
>= 37	56.9		17.9		1.7		.7		1.1		2.2		1.6		6.6		11.2		5040		20.3	
>= 32	56.2		15.8		1.2		.5		.7		1.6		1.8		6.1		16.2		2886		11.6	
>= 27	48.5		11.1		1.8		1.0		1.4		1.2		1.8		5.3		28.0		1228		4.9	
>= 22	43.2		12.9		1.4		.0		1.0		.3		1.4		3.4		36.4		294		1.2	
>= 17	22.7		13.6		.0		4.5		.0		.0		.0		9.1		50.0		22		.1	
TOTALS	42.5		19.0		4.9		2.9		5.8		7.0		2.1		4.4		11.4		24833		100.0	

NOTES :  
\* = PERCENT < .05

# 4 - PERCENTAGE FREQUENCY OF AIR TEMPERATURE

VERSUS  
WIND DIRECTION  
(FROM HOURLY OBSERVATIONS)

043319 ATSUUGI, JAPAN  
PERIOD OF RECORD : 1951-1987

LAT. : 35 27N LONG. : 139 27E ELEV. : 214 FT  
MONTH : ANN  
PAGE : 1

TEMP. (DEG F)	NNW		NNE		ENE		ESE		WIND DIRECTION				WSW C W	WNW C NW		CALM	TOTAL FREQ.	% OF TOTAL
	C N	C N	C NE	C NE	C E	C E	SSE C S	SSW C SW	C W	C NW								
>= 97	10.0	0	20.0	10.0	10.0	10.0	10.0	50.0	0	0	0	0	0	10	0.0*			
>= 92	4.4	7.3	5.3	8.0	47.7	21.5	1.5	1.5	549	.2	4.2	0.2	4.2	549	.2			
>= 87	3.0	5.3	6.4	6.3	51.9	23.3	1.0	1.0	4853	.3	2.4	0.3	2.4	4853	1.6			
>= 82	5.3	7.5	6.0	5.3	46.3	23.9	1.2	1.2	11503	.6	4.0	0.6	4.0	11503	3.9			
>= 77	10.2	9.2	6.6	4.8	37.5	20.2	1.7	1.7	22921	1.6	8.2	1.6	8.2	22921	7.8			
>= 72	19.8	13.0	6.6	4.4	26.4	13.2	1.8	1.8	32510	2.4	12.5	2.4	12.5	32510	11.0			
>= 67	28.3	15.3	6.4	4.0	19.9	12.2	1.5	1.5	30913	2.3	10.2	2.3	10.2	30913	10.5			
>= 62	34.4	16.0	5.7	3.4	15.9	11.6	1.5	1.5	32369	2.6	8.9	2.6	8.9	32369	11.0			
>= 57	38.3	16.3	5.2	3.3	13.3	9.9	1.7	1.7	29376	3.3	8.7	3.3	8.7	29376	10.0			
>= 52	39.5	17.9	6.0	4.0	10.1	8.4	2.1	2.1	27869	3.5	8.5	3.5	8.5	27869	9.5			
>= 47	39.3	20.6	6.6	4.1	8.0	6.8	2.1	2.1	26247	3.6	8.8	3.6	8.8	26247	8.9			
>= 42	47.0	20.9	5.6	2.7	4.3	4.5	2.0	2.0	28049	4.4	8.6	4.4	8.6	28049	9.5			
>= 37	53.9	21.0	2.9	1.3	1.4	2.7	2.1	2.1	22180	5.4	9.4	5.4	9.4	22180	7.5			
>= 32	58.5	18.3	1.4	.5	.8	1.8	1.8	1.8	15484	5.4	11.5	5.4	11.5	15484	5.3			
>= 27	50.9	15.5	1.7	.8	1.0	1.8	1.0	1.8	7164	6.1	20.2	6.1	20.2	7164	2.4			
>= 22	43.2	11.2	1.6	.4	1.1	1.1	1.1	1.1	1894	6.0	34.1	6.0	34.1	1894	.6			
>= 17	31.1	11.4	1.3	.7	1.0	.3	1.3	.3	299	4.0	48.8	4.0	48.8	299	.1			
>= 12	26.9	11.5	.0	.0	3.8	3.8	.0	.0	26	.0	53.8	.0	53.8	26	.0*			
TOTALS	34.3	16.1	5.5	3.5	16.0	10.1	1.8	1.8	294216	3.2	9.6	3.2	9.6	294216	100.0			

NOTES :  
\* = PERCENT < .05

## 11 - SKY COVER

043319 ATSUGI, JAPAN  
 LAT. : 35 27N LONG. : 139 27E ELEV. : 214 FT  
 PERIOD OF RECORD : 1951-1987

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF TOTAL SKY COVER (FROM HOURLY OBSERVATIONS)				TOTAL
		CLEAR	SCATTERED	BROKEN	OVERCAST	
JAN	00	47.8	16.6	11.8	23.8	621
	03	46.5	16.6	12.6	24.3	626
	06	43.4	20.4	15.8	20.4	622
	09	32.0	27.4	18.8	21.8	632
	12	27.9	30.8	17.7	23.7	621
	15	17.1	35.3	24.4	23.2	624
	18	24.2	32.3	19.4	24.2	620
	21	40.0	24.4	11.3	24.4	628
	ALL	34.9	25.5	16.5	23.2	4994
FEB	00	34.5	17.3	16.1	31.9	565
	03	38.1	15.8	14.2	31.9	570
	06	27.7	21.7	19.2	31.4	567
	09	28.6	18.9	19.8	32.6	576
	12	23.0	25.7	19.8	31.5	565
	15	13.1	27.0	23.7	36.2	566
	18	13.3	31.4	20.1	35.2	566
	21	26.1	22.6	18.8	32.5	579
	ALL	25.6	22.6	19.0	32.9	4554
MAR	00	27.6	17.4	13.5	41.5	651
	03	28.2	16.3	15.7	39.9	664
	06	17.3	23.2	21.6	37.9	652
	09	19.8	18.8	23.0	38.3	665
	12	12.7	25.1	22.2	40.0	653
	15	9.6	24.0	25.1	41.2	653
	18	11.7	25.2	20.1	43.1	652
	21	22.6	21.5	14.3	41.6	659
	ALL	18.7	21.4	19.4	40.4	5249
APR	00	18.7	14.9	15.7	50.6	630
	03	21.2	13.5	12.4	52.9	643
	06	11.9	14.9	21.9	51.3	630
	09	14.7	15.2	22.2	48.0	640
	12	10.8	16.2	24.3	48.6	629
	15	8.5	19.4	25.2	46.9	635
	18	9.2	16.3	27.5	47.0	630
	21	17.5	13.5	18.0	50.9	644
	ALL	14.1	15.5	20.9	49.5	5081

## 11 - SKY COVER

043319 ATSUGI, JAPAN  
 LAT. : 35 27N LONG. : 139 27E ELEV. : 214 FT  
 PERIOD OF RECORD : 1951-1987

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF TOTAL SKY COVER (FROM HOURLY OBSERVATIONS)				TOTAL
		CLEAR	SCATTERED	BROKEN	OVERCAST	
MAY	00	16.4	18.6	16.0	49.0	651
	03	16.9	14.2	15.9	53.0	661
	06	8.4	15.5	25.5	50.5	651
	09	9.2	16.9	25.5	48.5	664
	12	7.8	15.2	26.9	50.1	651
	15	6.9	16.5	26.6	50.0	654
	18	6.6	15.5	23.7	54.2	651
JUN	03	11.7	19.3	19.3	49.6	657
	06	10.5	16.5	22.4	50.6	5240
	09	7.2	11.0	16.9	65.0	629
	12	7.4	10.4	17.1	65.1	633
	15	3.5	9.0	20.5	67.0	630
	18	3.6	11.9	20.8	63.7	636
	ALL	2.1	10.2	26.2	61.6	630
JUL	00	2.5	10.1	27.1	60.3	632
	03	2.1	9.5	27.9	60.5	631
	06	3.3	14.0	19.3	63.4	636
	09	4.0	10.8	21.9	63.3	5057
	12	8.2	13.5	16.7	61.5	621
	15	6.9	13.8	15.6	63.7	623
	18	2.4	10.6	22.3	64.7	620
AUG	00	2.4	11.9	27.5	58.3	630
	03	2.6	13.2	28.5	55.6	620
	06	3.7	13.0	34.2	49.1	623
	09	2.9	13.9	32.1	51.1	620
	12	5.8	16.0	22.2	56.0	625
	15	4.4	13.2	24.9	57.5	4982
	18	11.8	24.0	25.2	39.0	620
SEP	00	12.3	20.4	24.6	42.7	626
	03	2.9	17.1	35.0	45.0	620
	06	4.1	16.9	36.8	42.2	633
	09	2.4	21.1	39.1	37.4	621
	12	4.5	24.6	36.7	34.2	626
	15	3.2	25.6	35.7	35.5	622
	18	6.2	28.2	27.2	38.4	632
OCT	00	5.9	22.2	32.5	39.3	5000
	03	11.8	24.0	25.2	39.0	620
	06	12.3	20.4	24.6	42.7	626
	09	2.9	17.1	35.0	45.0	620
	12	4.1	16.9	36.8	42.2	633
	15	2.4	21.1	39.1	37.4	621
	18	4.5	24.6	36.7	34.2	626
NOV	00	3.2	25.6	35.7	35.5	622
	03	6.2	28.2	27.2	38.4	632
	06	5.9	22.2	32.5	39.3	5000
	09	11.8	24.0	25.2	39.0	620
	12	12.3	20.4	24.6	42.7	626
	15	2.9	17.1	35.0	45.0	620
	18	4.1	16.9	36.8	42.2	633
DEC	00	2.4	21.1	39.1	37.4	621
	03	4.5	24.6	36.7	34.2	626
	06	3.2	25.6	35.7	35.5	622
	09	6.2	28.2	27.2	38.4	632
	12	5.9	22.2	32.5	39.3	5000
	15	11.8	24.0	25.2	39.0	620
	18	12.3	20.4	24.6	42.7	626

## 11 - SKY COVER

043319 ATSUGI, JAPAN  
 LAT. : 35 27N LONG. : 139 27E ELEV. : 214 FT  
 PERIOD OF RECORD : 1951-1987

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF TOTAL SKY COVER (FROM HOURLY OBSERVATIONS)				TOTAL
		CLEAR	SCATTERED	BROKEN	OVERCAST	
SEP	00	11.9	15.9	19.0	53.3	599
	03	10.7	16.0	19.6	53.7	607
	06	2.0	14.6	31.9	51.5	602
	09	4.0	16.3	27.2	52.6	607
	12	2.5	15.2	33.2	49.1	599
	15	3.1	16.1	29.1	51.7	604
	18	2.0	17.1	28.1	52.8	602
	21	8.1	17.1	20.6	54.1	608
	ALL	5.5	16.1	26.1	52.3	4828
OCT	00	16.1	17.9	18.4	47.7	621
	03	19.2	18.6	16.3	45.8	624
	06	9.8	17.4	26.4	46.4	621
	09	12.5	16.6	22.6	48.3	625
	12	8.4	18.4	27.1	46.1	620
	15	7.4	19.2	27.2	46.2	624
	18	6.4	20.9	25.8	46.9	621
	21	11.9	17.3	20.4	50.5	624
	ALL	11.5	18.3	23.0	47.2	4980
NOV	00	26.2	17.7	20.7	35.4	599
	03	29.1	18.0	19.2	33.6	604
	06	17.5	25.3	26.0	31.3	601
	09	20.1	22.9	26.1	30.9	612
	12	18.5	24.3	27.2	30.0	600
	15	17.4	24.3	25.5	32.9	605
	18	15.3	30.0	17.6	37.1	601
	21	20.3	20.5	19.3	39.8	610
	ALL	20.6	22.9	22.7	33.9	4832
DEC	00	44.7	20.2	14.7	20.5	620
	03	44.5	21.5	13.1	20.9	627
	06	38.3	24.3	16.7	20.6	621
	09	29.9	28.3	21.2	20.6	636
	12	29.5	27.3	22.4	22.4	620
	15	23.8	31.5	20.9	23.8	626
	18	23.7	35.6	17.7	22.9	620
	21	34.8	26.6	16.0	22.6	624
	ALL	33.6	26.9	17.7	21.8	4994

## 11 - SKY COVER

043319 ATSUGI, JAPAN  
 LAT. : 35 27N LONG. : 139 27E ELEV. : 214 FT  
 PERIOD OF RECORD : 1951-1987

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF TOTAL SKY COVER (FROM HOURLY OBSERVATIONS)				TOTAL
		CLEAR	SCATTERED	BROKEN	OVERCAST	
ANN	00	22.5	17.1	17.0	43.4	7427
	03	23.3	16.2	16.3	44.1	7508
	06	15.3	17.8	23.6	43.3	7437
	09	15.0	18.5	24.3	42.2	7556
	12	12.2	20.2	26.1	41.5	7429
	15	9.8	21.7	27.2	41.4	7472
	18	10.0	22.7	24.7	42.7	7436
	21	17.3	20.1	18.9	43.8	7526
	ALL	15.7	19.3	22.2	42.8	59791



## 12 - RELATIVE HUMIDITY

U43319 AITSUGI, JAPAN  
PERIOD OF RECORD : 1951-1987

LAT. : 35 27N LONG. : 139 27E ELEV. : 214 FT

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

MONTH HOURS (LST)	10%	20%	30%	40%	50%	60%	70%	80%	90%	MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
<b>JAN</b>											
00	100.0	100.0	98.9	94.1	77.7	54.8	32.4	17.7	7.3	63.8	951
03	100.0	100.0	99.2	95.4	82.2	61.3	35.3	17.7	8.7	65.6	951
06	100.0	100.0	99.5	95.6	83.4	65.4	39.1	19.3	8.5	66.6	1050
09	100.0	100.0	97.6	86.3	64.7	39.3	21.7	12.3	5.3	58.3	1057
12	100.0	95.7	77.1	47.9	25.7	14.7	9.5	6.8	2.9	43.5	1068
15	100.0	95.5	77.6	49.9	26.9	16.8	10.3	6.4	2.9	44.0	1067
18	100.0	99.4	94.9	74.8	52.3	31.7	19.1	10.3	4.6	54.2	1068
21	100.0	100.0	98.5	88.5	65.6	43.5	24.6	13.5	5.3	59.7	1055
ALL	100.0	98.8	92.7	78.6	59.2	40.4	23.7	12.8	5.6	56.7	8267
<b>FEB</b>											
00	100.0	100.0	99.5	93.2	76.3	58.2	39.0	23.8	11.0	65.7	866
03	100.0	100.0	99.5	95.4	83.5	64.5	41.5	23.3	10.1	67.3	862
06	100.0	100.0	99.3	96.4	86.4	65.8	42.7	26.1	11.1	68.4	966
09	100.0	99.8	95.1	81.3	59.5	39.6	26.0	17.9	8.8	58.3	966
12	100.0	95.1	75.2	49.7	31.9	22.9	15.9	11.2	5.6	46.3	968
15	100.0	94.8	78.5	53.8	33.1	23.0	16.3	11.2	5.3	47.1	972
18	100.0	99.5	92.5	73.4	53.7	37.2	24.0	15.4	7.1	55.9	976
21	100.0	99.9	99.0	86.5	66.6	50.9	34.9	20.0	10.1	62.5	971
ALL	100.0	98.6	92.1	78.2	60.9	44.8	29.7	18.5	8.6	58.7	7547
<b>MAR</b>											
00	100.0	100.0	100.0	96.3	83.9	68.8	53.1	36.3	16.1	70.9	980
03	100.0	100.0	99.7	97.5	85.4	75.7	57.3	38.9	16.6	73.2	978
06	100.0	100.0	99.6	98.0	90.6	78.9	59.1	40.4	17.0	73.9	1098
09	100.0	99.7	95.8	82.2	63.9	46.2	31.6	19.5	10.1	60.5	1093
12	100.0	97.2	83.4	61.5	42.9	29.0	19.9	14.0	8.2	51.2	1099
15	100.0	97.5	87.9	65.0	46.0	32.3	21.1	14.8	8.6	52.9	1087
18	100.0	99.5	95.5	82.8	66.4	50.5	33.9	20.8	9.6	61.5	1101
21	100.0	100.0	99.2	91.1	77.6	65.1	47.2	28.6	13.2	67.6	1102
ALL	100.0	99.2	95.0	84.0	65.7	55.4	40.0	26.4	12.3	63.8	8538
<b>APR</b>											
00	100.0	100.0	99.6	97.9	91.8	84.1	70.6	47.6	23.7	77.2	950
03	100.0	100.0	99.7	98.4	94.3	87.1	73.9	53.2	26.9	79.0	950
06	100.0	99.9	99.6	98.7	94.4	88.8	75.5	55.1	29.1	79.9	1059
09	100.0	99.7	96.3	86.8	74.2	57.4	38.4	25.2	12.2	64.7	1052
12	100.0	98.9	91.9	76.2	57.7	40.3	25.4	17.4	9.5	57.2	1054
15	100.0	99.4	93.4	80.6	62.5	43.1	28.1	17.4	9.1	58.9	1055
18	100.0	99.5	97.5	93.3	83.8	67.1	47.1	25.5	10.9	68.1	1059
21	100.0	99.9	99.0	95.9	85.2	71.1	65.1	39.7	16.9	74.3	1058
ALL	100.0	99.7	97.1	90.8	80.7	68.2	52.6	34.7	17.1	69.7	8237

## 12 - RELATIVE HUMIDITY

043319 ATSUGI, JAPAN  
PERIOD OF RECORD : 1951-1987

LAT. : 35 27N LONG. : 139 27E ELEV. : 214 FT

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

MONTH HOURS (LST)	10%	20%	30%	40%	50%	60%	70%	80%	90%	MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
MAY											
00	100.0	100.0	99.9	98.7	96.9	93.5	85.4	62.6	30.1	82.6	979
03	100.0	100.0	99.9	99.7	98.3	95.5	88.3	69.3	36.8	84.7	981
06	100.0	100.0	99.7	99.1	98.0	94.8	87.7	67.4	36.5	84.4	1091
09	100.0	99.9	98.8	94.2	84.4	65.0	40.9	23.5	13.0	67.7	1083
12	100.0	99.7	96.3	85.7	67.7	43.8	26.2	16.3	9.4	60.0	1084
15	100.0	99.6	97.2	88.8	71.3	47.9	27.5	15.8	8.7	61.4	1089
18	100.0	99.9	99.0	96.5	90.8	74.5	51.2	26.8	12.1	70.7	1100
21	100.0	99.9	99.6	98.2	96.4	90.9	77.7	52.8	20.8	79.3	1103
ALL	100.0	99.9	98.8	95.0	87.8	75.3	60.0	41.2	20.6	73.6	8510
JUN											
00	100.0	100.0	99.9	99.9	99.8	98.5	94.5	80.8	40.6	87.4	958
03	100.0	100.0	100.0	99.9	99.6	99.1	95.5	85.2	50.7	89.1	958
06	100.0	100.0	100.0	100.0	99.7	98.8	95.7	82.7	50.5	88.9	1049
09	100.0	100.0	99.9	99.2	96.0	86.4	63.6	38.8	19.2	76.0	1048
12	100.0	100.0	99.7	97.3	88.2	66.1	42.4	23.0	10.9	68.2	1060
15	100.0	100.0	99.8	98.3	91.1	71.1	45.5	23.2	9.1	69.3	1064
18	100.0	100.0	100.0	99.6	98.1	92.3	72.2	38.9	15.4	77.1	1064
21	100.0	100.0	100.0	99.9	99.3	97.7	91.3	70.4	26.9	84.3	1067
ALL	100.0	100.0	99.9	99.3	96.4	88.5	74.6	54.7	27.5	79.8	8268
JUL											
00	100.0	100.0	100.0	100.0	99.9	99.7	99.1	88.7	48.0	89.2	953
03	100.0	100.0	100.0	100.0	99.9	99.8	99.6	91.8	55.5	90.9	948
06	100.0	100.0	100.0	100.0	100.0	99.8	99.3	92.6	55.4	90.8	1069
09	100.0	100.0	100.0	100.0	100.0	99.8	99.3	92.6	55.4	90.8	1069
12	100.0	100.0	100.0	99.7	97.3	82.4	76.4	41.0	17.8	79.0	1058
15	100.0	100.0	100.0	99.7	97.3	82.4	76.4	41.0	17.8	79.0	1061
18	100.0	100.0	100.0	100.0	97.3	85.2	48.9	20.8	8.4	71.6	1064
21	100.0	100.0	100.0	100.0	99.7	96.9	83.1	45.5	13.9	79.5	1068
ALL	100.0	100.0	100.0	100.0	99.7	96.9	97.5	78.9	33.4	86.6	1067
					99.2	94.9	80.5	59.3	29.4	82.1	8288
AUG											
00	100.0	100.0	100.0	100.0	99.7	99.1	98.0	84.6	38.0	87.7	953
03	100.0	100.0	100.0	100.0	99.9	99.6	98.5	89.9	45.6	89.3	954
06	100.0	100.0	100.0	100.0	100.0	99.8	99.1	90.2	46.9	89.6	1067
09	100.0	100.0	100.0	100.0	99.3	94.7	67.1	32.9	12.0	76.4	1054
12	100.0	100.0	100.0	99.1	93.8	69.1	33.1	16.5	6.4	67.4	1076
15	100.0	100.0	100.0	99.6	94.3	73.8	36.9	15.7	6.3	68.3	1066
18	100.0	100.0	100.0	100.0	99.3	93.9	76.3	39.3	11.9	77.7	1068
21	100.0	100.0	100.0	100.0	99.5	98.5	93.8	71.8	26.7	84.8	1072
ALL	100.0	100.0	100.0	99.8	98.2	90.8	74.7	54.2	23.7	79.9	8310

## 12 - RELATIVE HUMIDITY

043319 ATSUGI, JAPAN  
PERIOD OF RECORD : 1951-1987

LAT. : 35 27N LONG. : 139 27E ELEV. : 214 FT

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS	10%	20%	30%	40%	50%	60%	70%	80%	90%	MEAN	TOTAL
	(LST)										RELATIVE	NO. OF
											HUMIDITY	OBS.
SEP	00	100.0	100.0	100.0	100.0	100.0	98.7	95.0	78.0	37.2	86.8	927
	03	100.0	100.0	100.0	100.0	99.9	99.3	96.7	83.3	42.1	88.1	921
	06	100.0	100.0	100.0	100.0	99.9	99.6	97.2	85.4	45.1	88.8	1032
	09	100.0	100.0	100.0	99.8	97.8	90.1	68.4	39.8	16.0	76.6	1031
	12	100.0	100.0	100.0	97.8	88.7	65.2	40.2	25.6	11.3	68.4	1035
	15	100.0	100.0	100.0	98.5	87.6	64.6	40.5	24.6	10.5	68.2	1034
	18	100.0	100.0	100.0	99.7	98.5	92.3	73.5	42.7	16.3	78.0	1037
	21	100.0	100.0	100.0	100.0	99.5	97.5	89.7	66.7	27.4	83.6	1034
	ALL	100.0	100.0	100.0	99.5	96.4	88.1	74.6	55.1	25.4	79.6	8051
OCT	00	100.0	100.0	100.0	99.7	98.5	94.8	87.1	60.0	27.0	82.7	987
	03	100.0	100.0	100.0	100.0	99.0	96.0	89.7	65.9	32.2	84.2	984
	06	100.0	100.0	99.9	99.8	99.1	96.3	89.9	69.2	32.4	84.5	1069
	09	100.0	100.0	100.0	98.3	92.3	76.2	50.8	30.2	14.6	72.0	1060
	12	100.0	100.0	97.9	87.6	70.3	47.0	29.0	18.6	10.3	61.8	1072
	15	100.0	99.9	98.3	88.5	72.3	48.3	29.1	18.2	10.5	62.1	1065
	18	100.0	100.0	99.9	98.7	93.6	81.4	58.8	32.7	14.3	73.6	1073
	21	100.0	100.0	100.0	99.8	97.1	91.6	79.6	50.0	21.5	79.7	1077
	ALL	100.0	100.0	99.5	96.5	90.1	78.6	63.8	42.7	20.2	74.9	8387
NOV	00	100.0	100.0	99.9	98.8	94.0	86.2	70.5	44.0	16.9	76.5	956
	03	100.0	100.0	99.9	99.2	95.6	89.8	74.9	48.2	19.1	78.3	951
	06	100.0	100.0	99.8	99.5	96.6	90.4	77.2	50.4	20.2	79.1	1035
	09	100.0	100.0	99.9	95.4	84.3	66.2	42.5	20.5	10.4	67.5	1033
	12	100.0	99.9	95.3	76.8	53.8	32.0	18.3	11.8	6.3	55.0	1043
	15	100.0	99.5	95.5	77.5	55.2	32.8	20.6	12.5	6.1	55.6	1033
	18	100.0	100.0	99.3	94.1	82.7	65.9	45.2	21.9	8.7	67.2	1042
	21	100.0	100.0	99.9	97.7	89.3	77.9	61.5	34.5	13.0	72.8	1041
	ALL	100.0	99.9	98.7	92.2	81.2	67.2	50.9	30.1	12.5	68.8	8134
DEC	00	100.0	100.0	99.4	97.9	89.0	71.0	47.0	22.9	8.2	69.1	986
	03	100.0	100.0	99.5	98.1	90.8	76.1	51.0	26.4	8.5	70.7	982
	06	100.0	99.9	99.6	98.2	91.5	77.3	53.1	28.9	9.0	71.4	1065
	09	100.0	99.9	99.2	93.3	77.9	51.8	28.2	14.0	6.0	62.7	1066
	12	100.0	98.5	88.1	60.6	34.2	17.5	10.7	6.8	3.3	47.5	1072
	15	100.0	98.3	89.0	60.7	34.2	19.0	10.7	5.8	2.5	47.5	1072
	18	100.0	99.8	98.0	88.5	66.8	44.8	25.8	12.0	4.7	59.7	1074
	21	100.0	100.0	99.3	95.5	80.0	60.4	38.2	17.8	6.4	65.3	1054
	ALL	100.0	99.5	96.4	86.3	70.1	51.8	32.7	16.7	6.0	61.6	8371

## 12 - RELATIVE HUMIDITY

043319 ATSUGI, JAPAN  
PERIOD OF RECORD : 1951-1987

LAT. : 35 27N LONG. : 139 27E ELEV. : 214 FT

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

MONTH HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN										MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
	10%	20%	30%	40%	50%	60%	70%	80%	90%			
ANN	00	100.0	100.0	99.8	98.1	92.4	84.1	72.8	54.0	25.4	78.4	11446
	03	100.0	100.0	99.8	98.7	94.4	87.1	75.4	57.9	29.5	80.1	11420
	06	100.0	100.0	99.8	98.8	95.0	88.1	76.5	59.2	30.3	80.6	12650
	09	100.0	99.9	98.6	93.1	82.9	67.5	46.3	26.3	12.1	68.3	12601
	12	100.0	98.8	92.2	78.5	62.8	44.3	26.2	15.8	7.7	58.2	12692
	15	100.0	98.7	93.2	80.2	64.5	46.6	28.0	15.5	7.3	58.9	12668
	18	100.0	99.8	98.1	91.9	82.3	69.2	50.9	27.7	10.8	68.7	12730
	21	100.0	100.0	99.5	96.2	88.5	79.8	67.0	45.6	18.5	75.2	12701
	ALL	100.0	99.6	97.6	91.8	82.6	70.5	54.9	37.3	17.4	70.8	98908

## 13 - WEATHER CONDITIONS

043319 ATSUGI, JAPAN  
PERIOD OF RECORD : 1951-1987

LAT. : 35 27N LONG. : 139 27E ELEV. : 214 FT

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS  
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (LST)	ISM	RAIN L/DR	FREEZE RAIN FREEZE DRIZZLE	SNOW L/DR SLEET	HAIL	% OF OBS WITH PRECIP	FOG	SMOKE L/DR HAZE	BLOWING SNOW	DUST L/DR SAND	% OBS. W/OBST VISION	TOTAL NO. OF OBS.
JAN	00	.1	5.8	.2	1.3	.0	7.0	7.4	16.8	.0	.0	22.8	951
	03	.1	5.3	.0	1.5	.0	6.4	6.7	9.6	.0	.1	15.4	951
	06	.0	5.7	.1	1.3	.0	7.1	5.5	6.7	.0	.1	11.3	1067
	09	.0	5.4	.0	1.6	.3	6.7	6.0	29.2	.0	.0	33.6	1058
	12	.0	5.3	.0	1.6	.0	6.8	2.6	19.4	.0	.5	22.1	1068
	15	.1	6.0	.0	1.4	.0	7.1	2.8	19.7	.0	.7	22.6	1067
	18	.1	5.8	.0	1.3	.0	7.0	3.7	28.6	.0	.1	31.5	1068
	21	.1	5.4	.0	1.8	.0	7.0	5.7	23.3	.0	.1	27.8	1055
	ALL	.1	5.6	.0	1.5	.0	6.9	5.0	19.3	.0	.2	23.5	8285
FEB	00	.0	8.4	.0	2.3	.1	10.4	11.1	17.8	.1	.0	26.6	866
	03	.0	8.0	.0	3.0	.1	10.3	10.8	12.4	.2	.0	20.5	863
	06	.0	7.7	.1	3.8	.0	11.1	8.5	9.2	.2	.0	15.7	972
	09	.0	8.6	.0	4.9	.2	12.3	8.2	30.2	.0	.2	37.4	968
	12	.0	7.9	.0	4.4	.0	10.8	5.5	21.1	.0	1.0	26.4	968
	15	.0	8.2	.0	3.0	.1	10.6	5.7	23.5	.0	1.5	29.3	972
	18	.0	8.5	.1	3.7	.1	11.6	7.4	32.8	.0	.6	39.6	978
	21	.1	9.4	.0	2.9	.0	11.5	9.8	21.8	.1	.1	29.6	971
	ALL	.0	8.3	.0	3.5	.1	11.1	8.3	21.3	.1	.4	28.3	7558
MAR	00	.0	13.8	.1	1.8	.0	15.2	14.3	14.4	.0	.1	26.8	980
	03	.0	14.5	.0	2.2	.2	16.5	16.0	12.1	.1	.1	26.1	978
	06	.0	13.6	.0	2.2	.0	15.4	19.6	15.8	.1	.0	31.8	1101
	09	.0	13.9	.0	1.8	.0	15.2	11.4	28.1	.1	.1	37.4	1095
	12	.0	13.6	.1	1.9	.0	14.5	6.1	24.8	.1	.8	31.0	1099
	15	.0	15.3	.0	1.8	.0	16.2	6.4	24.4	.0	1.0	31.1	1088
	18	.1	15.7	.1	1.7	.0	16.7	8.7	31.3	.0	.5	39.4	1102
	21	.0	16.3	.0	1.4	.2	17.3	9.8	17.1	.0	.4	25.9	1103
	ALL	.0	14.6	.0	1.9	.0	15.9	11.4	21.2	.0	.4	31.3	8546
APR	00	.0	15.8	.0	.1	.0	15.9	20.1	10.9	.0	.0	27.6	950
	03	.0	17.3	.0	.3	.0	17.4	21.9	9.2	.0	.0	27.1	950
	06	.1	17.7	.0	.2	.0	17.6	31.3	16.7	.0	.0	41.3	1061
	09	.1	18.1	.0	.2	.0	17.4	12.8	28.2	.0	.5	39.4	1052
	12	.0	15.7	.0	.0	.0	15.5	8.2	26.9	.0	.8	34.9	1055
	15	.4	17.1	.0	.1	.0	16.9	7.7	24.2	.0	.9	31.3	1055
	18	.2	17.6	.0	.2	.0	17.5	11.2	25.3	.0	.7	35.6	1059
	21	.1	16.7	.0	.1	.1	16.9	15.3	13.8	.0	.1	26.7	1058
	ALL	.1	17.0	.0	.1	.0	16.9	16.0	19.6	.0	.4	33.1	8240

## 13 - WEATHER CONDITIONS

043319 ATSUGI, JAPAN  
PERIOD OF RECORD : 1951-1987

LAT. : 35 27N LONG. : 139 27E ELEV. : 214 FT

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS  
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (LST)	TSTM	RAIN E/OP DRIZZLE	FREEZE RAIN & FREEZE DRIZZLE	SNOW E/OP SLEET	HAIL	% OF OBS WITH PRECIP	FOG	SMOKE E/OP HAZE	BLOWING SNOW	DUST E/OP SAND	% OBS. W/OBS VISION	TOTAL NO. OF OBS.
MAY	00	.2	14.6	.0	.0	.0	14.6	25.4	12.4	.0	.0	33.5	979
	03	.1	17.1	.0	.0	.0	16.6	31.7	11.5	.0	.0	37.4	981
	06	.1	16.0	.0	.0	.0	15.7	42.9	18.0	.0	.0	50.6	1094
	09	.1	14.9	.0	.0	.0	14.7	13.8	32.9	.0	.1	45.2	1084
	12	.2	15.7	.0	.0	.2	15.4	8.4	26.2	.0	.1	33.5	1084
	15	.0	15.7	.0	.0	.0	15.3	7.3	22.3	.0	.1	29.0	1089
	18	.3	16.3	.0	.0	.0	15.8	10.8	22.2	.0	.0	31.5	1100
	21	.2	17.4	.0	.0	.0	17.0	16.5	15.0	.0	.0	27.8	1103
	ALL	.1	16.0	.0	.0	.0	15.6	19.4	20.4	.0	.0	36.1	8514
JUN	00	.1	21.5	.0	.0	.0	21.3	36.1	15.6	.0	.0	44.2	959
	03	.0	22.2	.0	.0	.0	22.1	45.1	14.3	.0	.0	51.1	958
	06	.0	22.1	.0	.0	.0	21.6	52.2	17.5	.0	.0	59.1	1050
	09	.1	20.7	.0	.0	.1	20.4	21.0	34.3	.0	.0	52.4	1048
	12	.1	19.2	.0	.0	.0	18.9	10.8	36.7	.0	.0	46.5	1060
	15	.7	20.0	.0	.0	.0	19.0	10.1	31.1	.0	.1	40.3	1064
	18	.2	20.0	.0	.0	.0	19.2	15.8	27.2	.0	.1	41.6	1065
	21	.5	20.8	.0	.0	.0	20.6	24.6	17.4	.0	.0	38.1	1067
	ALL	.2	20.8	.0	.0	.0	20.4	26.6	24.5	.0	.0	46.5	8271
JUL	00	.3	16.2	.0	.0	.0	15.7	40.6	16.7	.0	.0	47.3	953
	03	.3	17.1	.0	.0	.0	16.7	50.8	13.1	.0	.0	54.6	948
	06	.0	17.3	.0	.0	.0	16.9	56.7	16.1	.0	.0	61.5	1069
	09	.1	16.6	.0	.0	.1	15.9	23.6	36.5	.0	.0	54.6	1058
	12	.1	12.7	.0	.0	.0	12.2	9.4	41.0	.0	.1	48.4	1061
	15	.7	14.1	.0	.0	.1	13.8	8.0	34.1	.0	.0	40.0	1064
	18	.9	15.7	.0	.0	.1	15.5	14.1	31.7	.0	.1	42.4	1068
	21	.7	17.1	.0	.0	.0	16.9	26.2	21.1	.0	.0	39.4	1067
	ALL	.4	15.8	.0	.0	.0	15.4	28.2	26.6	.0	.0	48.5	8288
AUG	00	.8	11.9	.0	.0	.0	11.8	32.5	19.1	.0	.0	42.1	952
	03	.6	12.3	.0	.0	.0	12.3	40.8	15.2	.0	.0	46.9	954
	06	.2	10.1	.0	.0	.0	9.9	49.3	17.6	.0	.0	55.4	1068
	09	.1	11.6	.0	.0	.0	11.4	16.3	39.3	.0	.1	50.6	1054
	12	.4	9.7	.0	.0	.0	9.6	6.4	37.0	.0	.1	41.4	1076
	15	.9	11.0	.0	.0	.0	11.0	4.7	31.2	.0	.1	34.4	1068
	18	.7	10.8	.0	.0	.0	10.7	11.3	31.3	.0	.1	39.7	1070
	21	.7	12.9	.0	.0	.0	12.5	19.9	23.1	.0	.1	36.9	1073
	ALL	.6	11.3	.0	.0	.0	11.1	22.3	27.0	.0	.1	43.4	8315

## 13 - WEATHER CONDITIONS

043319 AISUGI, JAPAN  
PERIOD OF RECORD : 1951-1987

LAT. : 35 27N LONG. : 139 27E ELEV. : 214 FT

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS  
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (LST)	TSTM	RAIN C/DRIZZLE	FREEZE RAIN & FREEZE DRIZZLE	SNOW C/DR SLEET	HAIL	% OF OBS WITH PRECIP	FOG	SMOKE C/DR HAZE	BLOWING SNOW	DUST C/DR SAND	% OBS. W/OBST VISION	TOTAL NO. OF OBS.
SEP	00	.2	17.9	.0	.0	.0	17.6	34.0	16.7	.0	.1	41.9	927
	03	.4	17.0	.0	.0	.0	16.9	35.9	13.0	.0	.1	41.7	921
	06	.1	18.6	.0	.0	.0	18.3	42.5	15.0	.0	.0	47.2	1032
	09	.1	18.9	.0	.0	.0	18.5	19.0	27.4	.0	.0	42.9	1031
	12	.2	18.9	.0	.0	.0	18.4	9.6	29.4	.0	.0	37.4	1038
	15	.3	18.1	.0	.0	.0	17.9	9.7	28.4	.0	.0	36.1	1036
	18	.3	18.8	.0	.0	.0	18.4	16.5	34.7	.0	.0	48.1	1037
	21	.4	19.7	.0	.0	.0	19.1	24.1	20.0	.0	.0	38.7	1034
	ALL	.2	18.5	.0	.0	.0	18.2	23.6	23.3	.0	.0	41.7	8056
OCT	00	.0	17.8	.0	.0	.0	17.5	26.3	16.6	.0	.0	36.2	988
	03	.3	18.0	.0	.0	.0	17.7	27.7	9.4	.0	.0	32.6	985
	06	.1	17.6	.0	.0	.0	17.5	30.2	9.9	.0	.0	34.6	1069
	09	.0	17.2	.0	.0	.0	17.2	15.8	24.5	.0	.0	38.0	1061
	12	.0	17.4	.0	.0	.0	17.1	8.9	25.0	.0	.1	32.4	1073
	15	.0	14.1	.0	.0	.0	14.1	8.2	27.5	.0	.0	34.0	1065
	18	.2	16.6	.0	.0	.0	16.6	13.2	35.2	.0	.0	46.2	1074
	21	.0	15.8	.0	.0	.0	15.8	20.9	25.0	.0	.0	40.9	1077
	ALL	.1	16.8	.0	.0	.0	16.7	18.8	21.8	.0	.0	36.9	8392
NOV	00	.1	11.1	.0	.0	.0	11.0	17.5	21.8	.0	.0	34.8	956
	03	.0	9.7	.0	.0	.0	9.7	19.6	12.2	.0	.0	27.2	952
	06	.0	10.1	.0	.0	.0	10.1	21.9	12.7	.0	.0	29.2	1036
	09	.0	11.7	.0	.1	.1	11.6	12.4	32.5	.0	.0	42.1	1033
	12	.0	9.1	.0	.0	.0	9.0	5.1	29.6	.0	.0	33.8	1044
	15	.0	9.6	.0	.0	.0	9.5	5.1	33.7	.0	.1	37.5	1033
	18	.1	10.8	.0	.1	.0	10.8	9.0	41.7	.0	.0	48.7	1042
	21	.2	11.7	.0	.1	.0	11.5	14.7	32.3	.0	.2	42.8	1041
	ALL	.0	10.5	.0	.0	.0	10.4	13.1	27.3	.0	.0	37.1	8137
DEC	00	.0	5.8	.0	.2	.0	5.9	10.8	23.2	.0	.0	32.0	986
	03	.0	4.9	.0	.2	.0	5.1	10.5	14.6	.0	.0	23.5	982
	06	.0	5.5	.0	.5	.0	5.8	8.2	11.4	.0	.0	18.7	1072
	09	.0	6.0	.0	.4	.0	6.1	8.9	46.1	.0	.0	51.4	1067
	12	.1	5.6	.0	.3	.0	5.8	3.4	33.8	.0	.0	36.6	1072
	15	.0	4.9	.0	.6	.0	5.3	3.3	32.8	.0	.0	35.5	1072
	18	.0	5.4	.0	.4	.0	5.6	4.5	44.7	.0	.1	48.1	1075
	21	.0	6.0	.0	.2	.0	6.1	8.3	36.4	.0	.0	42.8	1054
	ALL	.0	5.5	.0	.3	.0	5.7	7.1	30.6	.0	.0	36.2	8380

## 13 WEATHER CONDITIONS

043319 ATSUGI, JAPAN  
PERIOD OF RECORD : 1951-1987

LAT. : 35 27N LONG. : 139 27E ELEV. : 214 FT

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS  
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (LST)	TSTM	RAIN		FREEZE		SNOW E70R SLEET	HAIL	% OF OBS WITH PRECIP		FOG		SMOKE		BLOWING SNOW	DUST & OBS.		TOTAL NO. OF OBS.
			E70R DRIZZLE	RAIN DRIZZLE	RAIN FREEZE	RAIN DRIZZLE			E70R PRECIP	OBS PRECIP	E70P HAZE	E70P HAZE	E70R SAND	W/OBST VISION				
JAN	ALL	.1	5.6	.0*	.0*	1.5	.0*	6.9	5.0	19.3	.0	.2	23.5	8285				
FEB	ALL	.0*	8.3	.0*	.0*	3.5	.1	11.1	8.3	21.3	.1	.4	28.3	7558				
MAR	ALL	.0*	14.6	.0*	.0*	1.9	.0*	15.9	11.4	21.2	.0*	.4	31.3	8546				
APR	ALL	.1	17.0	.0	.0	.1	.0*	16.9	16.0	19.6	.0	.4	33.1	8240				
MAY	ALL	.1	16.0	.0	.0	.0	.0*	15.6	19.4	20.4	.0	.0*	36.1	8514				
JUN	ALL	.2	20.8	.0	.0	.0	.0*	20.4	26.6	24.5	.0	.0*	46.6	8271				
JUL	ALL	.4	15.8	.0	.0	.0	.0*	15.4	28.2	26.6	.0	.0*	48.5	8288				
AUG	ALL	.6	11.3	.0	.0	.0	.0	11.1	22.3	27.0	.0	.1	43.4	8315				
SEP	ALL	.2	18.5	.0	.0	.0	.0	18.2	23.6	23.3	.0	.0*	41.7	8056				
OCT	ALL	.1	16.8	.0	.0	.0	.0	16.7	18.8	21.8	.0	.0*	36.9	8392				
NOV	ALL	.0*	10.5	.0	.0	.0*	.0*	10.4	13.1	27.3	.0	.0*	37.1	8137				
DEC	ALL	.0*	5.5	.0	.0	.3	.0	5.7	7.1	30.6	.0	.0*	36.2	8380				
TOTALS		.2	13.4	.0*	.0*	.6	.0*	13.7	16.7	23.6	.0*	.1	36.9	98982				



14 - PERCENTAGE FREQUENCY OF WIND DIRECTION  
VERSUS  
WEATHER CONDITIONS  
(FROM HOURLY OBSERVATIONS)

043319 ATSUGI, JAPAN  
PERIOD OF RECORD : 1951-1987  
LAT. : 35 27N LONG. : 139 27E ELEV. : 214 FT  
MONTH : JAN

WIND DIR.	RAIN	RATN SHOWRS	DRIZZLE	FREEZE RAIN	SLEET " SHOWRS	SNOW " GRAINS " PELLET	HAIL SMALL HAIL	THUNDER TORNADO SQUALLS	FOG	ICE FOG GROUND FOG	SMOKE HAZE	BLOWING SNOW	BLOWING SAND DUST	NO WEATHER
N	7.7	.4	.4	.0*	.1	3.1	.0	.0*	5.5	1.4	18.5	.0	.1	69.2
NNE	3.7	.4	.3	.0*	.0	1.7	.0	.0	2.9	1.3	17.0	.0	.3	75.9
NE	2.5	.4	.2	.0	.0	1.1	.0	.1	2.6	1.0	20.9	.0	.2	73.9
ENE	1.1	.0	.0	.2	.0	1.4	.0	.2	1.8	.9	27.4	.0	.0	68.0
E	.9	.0	.0	.0	.0	.2	.0	.0	.5	.0	32.7	.0	.0	66.0
ESE	1.5	.7	.0	.0	.0	.2	.0	.0	2.2	.5	32.9	.0	.0	63.4
SE	2.4	.6	.0	.0	.0	.0	.0	.0	1.8	.3	29.6	.0	.0	66.6
SSE	.4	.2	.0	.0	.0	.0	.0	.0	2.4	.0	20.8	.0	.0	76.6
S	2.2	.8	.0	.0	.0	.1	.0	.1	1.5	.3	14.7	.0	.0	81.7
SSW	2.5	1.3	.0	.0	.0	.1	.0	.1	1.0	.7	10.2	.0	.8	84.8
SW	.6	.9	.2	.0	.0	.0	.0	.0	.6	.2	4.3	.0	1.3	92.4
WSW	.0	.4	.0	.0	.0	.2	.0	.0	1.0	.4	4.2	.0	.8	93.1
W	1.3	1.3	.0	.0	.0	1.0	.0	.0	2.9	.3	10.9	.0	.3	83.6
WNW	2.5	.0	.0	.0	.0	.6	.0	.0	2.0	2.5	14.0	.0	.3	81.6
NW	3.5	.1	.6	.0	.0	1.1	.0	.0	2.7	2.9	20.5	.0	.0	71.5
NNW	12.5	.2	.7	.0*	.1	2.5	.0	.0	6.5	2.2	21.2	.0	.0	63.3
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CLM	1.1	.1	.2	.1	.0	.2	.0	.0	3.9	2.8	28.7	.0	.0	66.1
TOTALS	1200	95	72	10	8	393	0	6	924	346	4782	0	44	17769
% TOTAL	4.9	.4	.3	.0*	.0*	1.6	.0	.0*	3.8	1.4	19.4	.0	.2	72.2

TOTAL NUMBER OF OBSERVATIONS : 24599

NOTES :  
\* = PERCENT < .05

14 - PERCENTAGE FREQUENCY OF WIND DIRECTION  
VERSUS  
WEATHER CONDITIONS  
(FROM HOURLY OBSERVATIONS)

043319 ATSUGI, JAPAN  
PERIOD OF RECORD : 1951-1987

LAT. : 35 27N LONG. : 139 27E ELEV. : 214 FT  
MONTH : FEB

WIND DIR.	RAIN	RAIN SHOWRS	DRIZZLE	FREEZE RAIN	SLEET " SHOWRS	SNOW " GRAINS " PELLET	HAIL SMALL HAIL	THUNDER TORNADO SQUALLS	FOG	ICE FOG GROUND FOG	SMOKE HAZE	BLOWING SNOW	BLOWING SAND DUST	NO WEATHER
N	11.9	.5	.8	.0*	.1	6.3	.0*	.0	10.3	2.2	18.3	.2	.1	61.5
NNE	5.5	.4	.8	.0*	.1	2.4	.0*	.0*	5.7	1.6	18.5	.0	.7	70.2
NE	5.2	.7	.9	.0	.0	.9	.0	.0	4.6	1.2	23.2	.0	.1	67.6
ENE	3.7	.5	.4	.0	.0	1.1	.0	.0	2.6	1.2	31.5	.0	.0	61.8
E	1.9	.2	.2	.0	.0	.6	.0	.0	1.3	.6	37.0	.0	.2	59.6
ESE	1.2	.2	.2	.0	.0	.7	.0	.0	1.0	.7	39.9	.0	.0	57.4
SE	.9	.6	.3	.0	.0	.3	.0	.0	.9	.9	32.3	.0	.0	64.9
SSE	1.4	.2	.2	.0	.0	.2	.0	.2	1.8	.5	27.7	.0	.0	69.4
S	1.5	1.1	.2	.0	.0	.2	.0	.0	1.0	.3	19.1	.0	.6	77.4
SSW	3.8	1.2	.2	.0	.0	.0	.0	.3	1.1	.2	13.2	.0	1.8	80.2
SW	1.2	.5	.5	.0	.0	.2	.0	.0	.5	.6	6.9	.0	2.5	88.7
WSW	1.7	1.0	.0	.0	.0	.7	.0	.0	2.1	.7	9.2	.0	2.4	84.6
W	.8	1.1	.0	.0	.0	.0	.0	.0	2.3	2.3	7.6	.0	.0	87.5
WNW	1.5	.4	.8	.0	.0	.8	.0	.0	4.6	1.1	15.6	.0	.8	76.8
NW	4.5	.4	1.2	.0	.0	1.9	.0	.0	4.2	2.2	18.2	.0	.1	71.0
NNW	14.4	.4	1.1	.1	.2	9.2	.0*	.0	12.1	2.5	23.9	.4	.2	51.7
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CLM	2.3	.1	.2	.0	.0	.3	.0	.0	6.5	4.7	32.1	.0	.0	58.4
TOTALS	1624	110	146	6	13	799	3	5	1505	425	4761	21	90	14644
* TOTAL	7.2	.5	.7	.0*	.1	3.6	.0*	.0*	6.7	1.9	21.2	.1	.4	65.3

TOTAL NUMBER OF OBSERVATIONS : 22442

NOTES :  
\* = PERCENT < .05

14 - PERCENTAGE FREQUENCY OF WIND DIRECTION  
VERSUS  
WEATHER CONDITIONS  
(FROM HOURLY OBSERVATIONS)

043319 ATSUGI, JAPAN  
PERIOD OF RECORD : 1951-1987

LAT. : 35 27N LONG. : 139 27E ELEV. : 214 FT  
MONTH : MAR

WIND DIR.	RAIN	RAIN SHOWERS	DRIZZLE	FREEZE RAIN FREEZE	SLEET " SHOWERS ICE	SNOW " GRAINS " PELLET	HAIL SMALL HAIL	THUNDER TORNADO SQUALLS	FOG	ICE FOG GROUND FOG	SMOKE HAZE	BLOWING SNOW	BLOWING SAND DUST	NO WEATHER
N	19.2	.7	1.4	.0*	.0*	3.2	.0*	.0*	14.6	3.0	17.2	.0*	.2	53.6
NNE	10.9	.7	1.5	.0*	.1	1.4	.0	.0	9.9	2.0	18.0	.0	.6	63.9
NE	9.1	.4	.8	.0	.0	.4	.0	.0	7.2	1.3	24.3	.0	.3	62.4
ENE	4.0	1.8	1.3	.0	.0	.3	.0	.0	4.9	1.3	31.5	.0	.1	58.6
E	4.9	1.9	1.5	.0	.0	.1	.0	.0	3.1	.4	34.4	.0	.3	56.9
ESE	3.0	1.4	.8	.0	.0	.2	.0	.0	3.2	.4	35.7	.0	.4	57.1
SE	2.4	2.4	.0	.0	.0	.0	.0	.0	1.1	.9	31.4	.0	.2	63.1
SSE	4.7	1.1	.2	.0	.0	.5	.0	.0	2.4	.3	23.9	.0	.5	68.9
S	5.6	3.5	.1	.0	.0	.1	.0	.0	2.9	.8	16.8	.0	.3	72.5
SSW	5.7	4.7	.1	.0	.0	.0	.0	.0	2.4	.6	13.9	.0	1.4	74.4
SW	4.5	2.5	.0	.0	.0	.0	.0	.0	1.2	.4	12.0	.0	2.4	78.3
WSW	3.1	2.1	.3	.0	.0	.0	.0	.3	2.8	.3	12.5	.0	1.4	81.2
W	3.9	1.0	.5	.0	.0	.0	.0	.0	2.9	1.9	13.6	.0	.0	79.1
WNW	6.4	1.6	.4	.0	.0	.0	.0	.0	3.6	4.4	13.2	.0	.0	74.0
NW	13.9	1.0	.3	.0	.0	1.0	.0	.0	6.7	4.0	18.3	.0	.0	64.5
NNW	23.1	.4	2.1	.1	.0	6.1	.0	.0*	14.3	3.6	21.2	.4	.2	49.5
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CLM	5.8	.3	.8	.0	.0	.0	.0*	.0	7.9	6.1	31.3	.0	.0*	54.8
TOTALS	3067	333	266	5	3	453	2	4	2277	604	5202	12	99	15387
% TOTAL	12.1	1.3	1.0	.0*	.0*	1.8	.0*	.0*	9.0	2.4	20.5	.0*	.4	60.6

TOTAL NUMBER OF OBSERVATIONS : 25411

NOTES :  
\* = PERCENT < .05

## 14 - PERCENTAGE FREQUENCY OF WIND DIRECTION

VERSUS  
WEATHER CONDITIONS  
(FROM HOURLY OBSERVATIONS)

D43319 ATSUGI, JAPAN  
PERIOD OF RECORD : 1951-1987

LAT. : 35 27N LONG. : 139 27E ELEV. : 214 FT  
MONTH : APR

WIND DIR.	RAIN	RAIN SHOWRS	DRIZZLE	FREEZE RAIN	SLEET " SHOWRS ICE	SNOW " GRAINS " PELLET HAIL SQUALLS	HAYL SMALL TORNADO HAIL SQUALLS	FOG	YCE FOG GROUND FOG	SMOKE HAZE	BLOWING SNOW	BLOWING SAND DUST	NO WEATHER
N	22.0	1.1	3.2	.0	.0	.5	.0	18.7	5.1	17.3	.0	.2	47.9
NNE	15.2	1.9	3.1	.0	.0	.1	.0	15.2	3.1	18.4	.0	.4	54.9
NE	12.1	2.0	4.1	.0	.1	.0	.0	14.6	2.7	24.0	.0	.5	51.6
ENE	7.7	1.9	3.8	.0	.0	.0	.0	11.6	2.2	31.9	.0	.2	50.7
E	5.9	1.3	1.2	.0	.0	.0	.0	6.4	1.4	26.8	.0	.3	61.0
ESE	5.7	.6	1.4	.0	.0	.0	.0	7.9	.6	26.9	.0	.8	60.1
SE	6.7	1.4	1.4	.0	.0	.0	.0	7.3	3.0	27.8	.0	.2	56.9
SSE	9.9	2.4	.9	.0	.0	.0	.0	8.0	2.6	20.5	.0	.2	61.8
S	7.6	2.6	.6	.0	.0	.0	.0	5.7	1.1	16.3	.0	.3	70.0
SSW	7.1	3.4	.3	.0	.0	.0	.0	3.6	1.1	13.7	.0	.9	73.7
SW	6.8	1.4	.9	.0	.0	.0	.0	4.1	1.6	12.9	.0	1.4	74.9
WSW	7.3	2.8	.4	.0	.0	.0	.0	6.0	2.8	16.9	.0	.0	69.8
W	16.6	2.6	.0	.0	.0	.0	.0	9.3	9.3	13.9	.0	.0	59.6
WNW	15.5	.0	.5	.0	.0	.0	.5	10.7	5.9	14.4	.0	.0	62.0
NW	18.5	.2	1.1	.0	.0	.0	.0	13.7	6.6	13.9	.0	.0	58.1
NNW	27.3	1.2	3.0	.0	.0	.5	.0	19.4	6.5	21.0	.0	.4	44.5
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CLM	6.9	.5	1.4	.0	.0	.0	.0	16.5	12.1	28.3	.0	.0	47.6
TOTALS	3234	428	481	0	1	35	1	2942	945	4769	0	90	14176
% TOTAL	13.2	1.7	2.0	.0	.0*	.1	.0*	12.0	3.9	19.4	.0	.4	57.8

TOTAL NUMBER OF OBSERVATIONS : 24533

NOTES :  
\* = PERCENT < .05

14 - PERCENTAGE FREQUENCY OF WIND DIRECTION  
VERSUS  
WEATHER CONDITIONS  
(FROM HOURLY OBSERVATIONS)

043319 ATSUGI, JAPAN  
PERIOD OF RECORD : 1951-1987

LAT. : 35 27N LONG. : 139 27E ELEV. : 214 FT  
MONTH : MAY

WIND DIR.	RAIN	SHOWRS	DRIZZLE	FREEZE RAIN	SLEET " SHOWRS	SNOW " GRAINS " PELLET	HAIL SMALL HAIL	THUNDER TORNADO SQUALLS	FOG	ICE FOG GROUND FOG	SMOKE HAZE	BLOWING SNOW	BLOWING SAND DUST	NO WEATHER
N	19.7	1.2	3.3	.0	.0*	.0	.0*	.2	22.0	8.6	18.5	.0	.1	45.3
NNE	15.8	1.6	3.9	.0	.0	.0	.0*	.1	20.0	5.4	19.5	.0	.0	50.3
NE	12.6	2.5	3.8	.0	.0	.0	.0	.2	16.9	4.5	25.0	.0	.0	49.2
ENE	12.6	1.2	2.8	.0	.0	.0	.1	.3	14.7	2.4	33.4	.0	.0	46.0
E	8.7	2.3	1.9	.0	.0	.0	.0	.5	8.7	1.1	31.6	.0	.0	52.9
ESE	6.9	2.5	1.9	.0	.0	.0	.0	.4	7.8	1.3	34.3	.0	.0	52.4
SE	8.8	1.8	1.3	.0	.0	.0	.0	.0	6.8	2.9	29.2	.0	.0	56.9
SSE	7.4	2.9	1.1	.0	.0	.0	.0	.1	7.2	2.8	22.2	.0	.2	62.5
S	6.9	2.3	.5	.0	.0	.0	.0*	.0*	6.4	1.0	15.8	.0*	.0	71.2
SSW	8.8	1.8	.7	.0	.0	.0	.0	.1	6.4	1.5	15.5	.0	.0*	70.5
SW	12.2	1.6	.3	.0	.0	.0	.0	.3	6.2	2.6	18.5	.0	.0	65.1
WSW	12.6	3.1	.8	.0	.0	.0	.0	.8	8.3	3.1	15.4	.0	.0	66.5
W	22.2	2.4	3.0	.0	.0	.0	.0	.6	14.4	7.2	15.0	.0	.0	46.7
WNW	17.4	.6	1.1	.0	.0	.0	.0	.0	22.5	11.8	19.7	.0	.0	46.1
NW	21.1	2.2	1.5	.0	.0	.0	.0	.0	18.4	10.9	15.0	.0	.0	48.4
NNW	26.5	1.9	3.3	.0	.0	.0	.0	.1	25.1	11.3	14.7	.0	.0	43.7
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CLM	7.8	.6	1.5	.0	.0*	.0	.0	.2	16.1	16.8	30.1	.0	.0	42.4
TOTALS	3144	448	481	0	2	0	4	36	3408	1408	5146	2	9	14282
% TOTAL	12.4	1.8	1.9	.0	.0*	.0	.0*	.1	13.4	5.6	20.3	.0*	.0*	56.3

TOTAL NUMBER OF OBSERVATIONS : 25367

NOTES : \* = PERCENT < .05

# 14 - PERCENTAGE FREQUENCY OF WIND DIRECTION

VERSUS  
WEATHER CONDITIONS  
(FROM HOURLY OBSERVATIONS)

043319 ATSUGI, JAPAN  
PERIOD OF RECORD : 1951-1987

LAT. : 35 27N LONG. : 139 27E ELEV. : 214 FT  
MONTH : JUN

WIND DIR.	RAIN	RAIN SHOWERS	DRIZZLE	FREEZE RAIN	SLEET " SHOWERS	SNOW " GRAINS " PELLET	HAIL SMALL HAIL	THUNDER TORNADO SQUALLS	FOG	ICE FOG GROUND FOG	SMOKE HAZE	BLOWING SNOW	BLOWING SAND DUST	NO WEATHER
N	27.0	2.8	5.0	.0	.0	.0	.0	.2	30.9	7.9	18.0	.0	.0	30.5
NNE	18.8	2.1	6.4	.0	.0	.0	.0	.1	26.1	5.8	25.6	.0	.0*	34.7
NE	14.0	2.8	6.3	.0	.0	.0	.0	.3	23.7	3.2	28.4	.0	.1	36.7
ENE	12.7	4.5	3.5	.0	.0	.0	.0	.4	19.4	3.8	31.6	.0	.0	37.1
E	9.9	3.2	2.0	.0	.0	.0	.0	.3	11.7	2.8	33.5	.0	.0	44.8
ESE	8.1	2.9	1.3	.0	.0	.0	.0	.9	9.7	1.3	41.5	.0	.0	43.3
SE	12.1	2.1	1.3	.0	.0	.0	.0	.4	11.4	4.6	34.7	.0	.0	44.1
SSE	9.6	1.8	.7	.0	.0	.0	.0	.1	12.9	4.9	29.2	.0	.0	50.7
S	8.3	3.4	.4	.0	.0	.0	.0*	.1	10.9	2.5	23.9	.0	.0	57.4
SSW	9.5	2.9	.1	.0	.0	.0	.0	.2	8.5	2.3	21.5	.0	.1	61.9
SW	12.0	3.8	.1	.0	.0	.0	.0	.3	8.8	2.7	26.5	.0	.0	55.5
WSW	12.5	4.6	.9	.0	.0	.0	.0	.5	18.1	4.2	26.4	.0	.0	45.4
W	13.7	2.6	1.3	.0	.0	.0	.0	.7	20.9	11.1	24.2	.0	.0	44.4
WNW	18.8	3.9	2.2	.0	.0	.0	.0	.0	35.9	10.5	22.1	.0	.0	28.2
NW	26.2	1.6	3.5	.0	.0	.0	.0	.8	32.4	13.6	20.1	.0	.0	28.9
NNW	36.2	2.2	6.5	.0	.0	.0	.0	.1	39.1	8.7	17.7	.0	.0	25.2
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CLM	10.4	.8	1.9	.0	.0	.0	.0	.0*	27.3	19.2	30.8	.0	.0	29.7
TOTALS	3794	662	669	0	0	0	2	49	4979	1550	6102	0	4	10512
% TOTAL	15.4	2.7	2.7	.0	.0	.0	.0*	.2	20.3	6.3	24.8	.0	.0*	42.8

TOTAL NUMBER OF OBSERVATIONS : 24582

NOTES : \* = PERCENT < .05

14 - PERCENTAGE FREQUENCY OF WIND DIRECTION  
VERSUS  
WEATHER CONDITIONS  
(FROM ACUPLY OBSERVATIONS)

043319 ATSUCI, JAPAN  
PERIOD OF RECORD : 1951-1987

LAT. : 35 27N LONG. : 139 27E ELEV. : 2'4 FT  
MONTH : JUL

WIND DIR.	RAIN	RAIN SHOWERS	DRIZZLE	FREEZE RAIN FREEZE	SLEET " SHOWERS ICE	" GRAINS " PELLET	HAIL SMALL HAIL	THUNDER TORNADO SQUALLS	FUG	ICE FOG GROUND FOG	SMOKE HAZE	BLOWING SNOW	BLOWING SAND DUST	NO WEATHER
N	19.4	4.0	6.4	.0	.0	.0	.0*	.5	36.9	8.2	20.8	.0	.0*	27.0
NNE	14.4	4.4	6.9	.0	.0	.0	.0	.3	35.1	4.3	25.2	.0	.0	29.3
NE	12.7	3.4	5.6	.0	.0	.0	.0	.5	29.1	3.7	34.4	.0	.0	28.5
ENE	11.3	4.0	4.3	.0	.0	.0	.0	.7	20.9	2.9	34.1	.0	.0	36.7
E	7.6	5.8	1.7	.0	.0	.0	.0	.9	17.4	2.0	35.7	.0	.0	41.6
ESE	8.5	4.2	1.1	.0	.0	.0	.0	.4	12.9	4.2	42.9	.0	.0	39.7
SE	6.9	3.5	.6	.0	.0	.0	.0	.2	15.7	4.3	44.3	.0	.0	33.7
SSE	7.0	4.7	1.8	.0	.0	.0	.0	.2	14.3	5.0	36.5	.0	.0	42.6
S	5.7	3.3	.6	.0	.0	.0	.0	.2	10.7	3.1	23.2	.0	.0	59.7
SSW	5.3	3.9	.3	.0	.0	.0	.0*	.3	7.9	2.3	20.0	.0	.0*	64.9
SW	8.4	3.6	1.7	.0	.0	.0	.0	1.0	10.9	3.2	21.8	.0	.0	57.1
WSW	11.8	6.9	3.0	.0	.0	.0	.0	1.5	22.7	4.4	23.6	.0	.0	41.9
W	14.9	5.6	.6	.0	.0	.0	1.2	1.9	31.7	6.2	18.6	.0	.0	34.8
WNW	13.9	7.3	4.0	.0	.0	.0	.0	2.6	37.7	15.2	16.6	.0	.0	27.2
NW	15.4	3.2	1.6	.0	.0	.0	.0	.7	31.1	16.8	28.2	.0	.0	27.9
NNW	21.9	3.2	3.5	.0	.0	.0	.0	.6	39.6	10.9	23.8	.0	.0	26.1
VAP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CLW	7.3	1.5	1.7	.0	.0	.0	.0	.2	37.6	16.7	33.2	.0	.0	24.6
TOTALS	245.9	88.1	62.7	.0	.0	.0	4	93	549.5	152.4	654.3	.0	2	1055.1
% TOTAL	10.0	3.6	2.5	.0	.0	.0	.0*	.4	22.3	6.2	26.6	.0	.0*	42.8

TOTAL NUMBER OF OBSERVATIONS : 24626

NOTES :  
# : PERCENT < .05

14 - PERCENTAGE FREQUENCY OF WIND DIRECTION  
VERSUS  
WEATHER CONDITIONS  
(FROM HOURLY OBSERVATIONS)

043319 ATSUGI, JAPAN  
PERIOD OF RECORD : 1951-1987  
LAT. : 35 27N LONG. : 139 27E ELEV. : 214 FT  
MONTH : AUG

WIND Dir.	RAIN	RAIN SHOWRS	DRIZZLE	FREEZE RAIN FREEZE	SLEET " SHOWRS ICE	SNOW " GRAINS " PELLET	HAIL SMALL HAIL	THUNDER TORNADO SQUALLS	FOG	ICE FOG GROUND FOG	SMOKE HAZE	BLOWING SNOW	BLOWING SAND DUST	NO WEATHER
N	12.3	5.1	4.1	.0	.0	.0	.0	.5	29.8	9.1	23.5	.0	.1	33.7
NNE	8.0	5.5	3.5	.0	.0	.0	.0	.3	25.7	5.6	32.7	.0	.0	35.0
NE	6.5	6.5	2.7	.0	.0	.0	.0	.8	21.3	4.0	37.5	.0	.0	34.4
ENE	5.1	7.0	1.0	.0	.0	.0	.0	.5	16.3	1.7	41.0	.0	.0	38.5
E	2.9	10.8	.3	.0	.0	.0	.0	1.2	9.7	2.3	39.1	.0	.0	42.5
ESE	2.6	6.6	.2	.0	.0	.0	.0	.7	6.6	1.9	46.2	.0	.0	43.4
SE	4.0	4.9	.0	.0	.0	.0	.0	.4	7.8	4.4	42.2	.0	.0	42.6
SSE	2.4	5.4	.2	.0	.0	.0	.0	.1	8.0	2.7	31.1	.0	.1	55.8
S	2.1	4.1	.1	.0	.0	.0	.0	.3	6.8	2.5	21.5	.0	.1	67.2
SSW	3.1	4.6	.1	.0	.0	.0	.0	.4	5.1	2.0	18.8	.0	.0	70.3
SW	1.9	4.1	.0	.0	.0	.0	.0	.4	8.6	2.5	20.0	.0	.0	66.7
WSW	4.9	9.3	.0	.0	.0	.0	.0	2.0	14.1	5.9	21.0	.0	.0	52.7
W	3.7	8.7	.0	.0	.0	.0	.0	2.5	20.6	6.3	21.2	.0	.0	49.4
WNW	10.2	10.8	.6	.0	.0	.0	.0	4.0	30.7	9.1	19.3	.0	.0	35.8
NW	8.7	6.1	2.1	.0	.0	.0	.0	1.4	31.5	13.1	23.7	.0	.0	31.9
NNW	12.9	4.5	4.2	.0	.0	.0	.0	.6	30.7	13.3	23.0	.0	.0	34.2
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CLM	3.0	1.7	.3	.0	.0	.0	.0	.2	22.9	19.9	39.4	.0	.0*	32.0
TOTALS	1323	1177	324	0	0	0	0	116	3964	1594	6671	0	12	12275
% TOTAL	5.4	4.8	1.3	.0	.0	.0	.0	.5	16.1	6.5	27.0	.0	.0*	49.7

TOTAL NUMBER OF OBSERVATIONS : 24685

NOTES : \* = PERCENT < .05



14 - PERCENTAGE FREQUENCY OF WIND DIRECTION  
VERSUS  
WEATHER CONDITIONS  
(FROM HOURLY OBSERVATIONS)

243319 AJSUGI, JAPAN  
PERIOD OF RECORD : 1951-1987

LAT. : 35 27N LONG. : 139 27E ELEV. : 214 FT  
MONTH : SEP

WIND DIR.	RAIN	RAIN SHOWERS	DRIZZLE	FREEZE RAIN FREEZE	SLEET " SHOWERS ICE	SNOW " GRAINS " PELLET	HAIL SMALL HAIL	THUNDER TORNADO SQUALLS	FOG	ICE FOG GROUND FOG	SMOKE HAZE	BLOWING SNOW	BLOWING SAND DUST	NO WEATHER
N	19.3	4.1	3.7	.0	.0	.0	.0	.1	23.0	6.4	19.9	.0	.0	40.5
NNE	12.8	2.7	3.0	.0	.0	.0	.0	.1	19.5	4.6	23.5	.0	.0	47.6
NF	7.5	3.2	1.5	.0	.0	.0	.0	.3	14.2	2.3	30.3	.0	.0	49.0
ENE	3.9	3.0	.6	.0	.0	.0	.0	.3	8.7	1.9	32.3	.0	.0	54.4
E	4.2	3.2	.3	.0	.0	.0	.0	.3	4.5	2.2	33.2	.0	.0	56.3
ESE	3.6	3.6	.5	.0	.0	.0	.0	.0	5.5	2.1	37.0	.0	.0	51.8
SE	7.1	4.2	.5	.0	.0	.0	.0	.3	11.6	2.6	34.8	.0	.0	47.0
SSE	5.4	6.2	.0	.0	.0	.0	.0	.5	9.7	4.0	24.0	.0	.0	57.3
S	3.0	4.5	.1	.0	.0	.0	.0	.4	8.8	1.6	17.9	.0	.0*	67.4
SSW	4.3	3.6	.3	.0	.0	.0	.0	.8	5.0	1.1	12.6	.0	.2	76.2
SW	5.8	5.1	.4	.0	.0	.0	.0	.4	7.5	1.9	15.6	.0	.0	67.2
WSW	14.2	7.1	.0	.0	.0	.0	.0	1.6	11.5	3.3	15.8	.0	.0	53.0
W	12.7	6.0	1.3	.0	.0	.0	.0	1.3	24.7	3.3	21.3	.0	.0	40.7
WNW	15.2	7.6	.0	.0	.0	.0	.0	.0	28.4	10.7	14.2	.0	.0	38.6
NW	24.6	3.6	2.0	.0	.0	.0	.0	.5	31.5	11.2	26.9	.0	.0	28.0
NNW	24.1	4.3	2.8	.0	.0	.0	.0	.0*	26.3	9.5	20.5	.0	.0	36.0
VAP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CLM	7.3	1.4	1.0	.0	.0	.0	.0	.1	22.3	15.5	33.7	.0	.0	37.2
TOTALS	3029	910	468	0	0	0	0	62	4238	1395	5436	0	4	11636
% TOTAL	12.6	3.8	1.9	.0	.0	.0	.0	.3	17.7	5.8	22.6	.0	.0*	48.5

TOTAL NUMBER OF OBSERVATIONS : 24008

NOTES :  
\* = PERCENT < .05

14 - PERCENTAGE FREQUENCY OF WIND DIRECTION  
VERSUS  
WEATHER CONDITIONS  
(FROM HOURLY OBSERVATIONS)

C43319 ATSUGI, JAPAN  
PERIOD OF RECORD : 1951-1987

LAT. : 35 27N LONG. : 139 27E ELEV. : 214 FT  
MONTH : OCT

WIND DIR.	RAIN	RAIN SHOWERS	DRIZZLE	FREEZE RAIN	SLEET " SHOWERS	SNOW " GRAINS " PELLET	HAIL SMALL HAIL	THUNDER TORNADO SQUALLS	FUG	ICE FOG GROUND FOG	SMOKE HAZE	BLOWING SNOW	BLOWING SAND DUST	NO WEATHER
N	18.1	1.8	1.9	.0	.0	.0	.0	.0*	16.5	5.8	18.3	.0	.0	51.3
NNE	10.5	1.5	1.1	.0	.0	.0	.0	.0*	12.3	3.3	18.4	.0	.0*	61.6
NE	7.2	1.8	.4	.0	.0	.0	.0	.1	8.6	1.5	24.2	.0	.1	62.1
ENE	5.4	1.2	.2	.0	.0	.0	.0	.3	7.8	2.1	26.7	.0	.2	61.7
E	2.5	1.2	.2	.0	.0	.0	.0	.0	2.8	.4	33.5	.0	.0	60.6
ESE	3.4	1.4	.0	.0	.0	.0	.0	.6	3.6	1.1	39.1	.0	.0	54.7
SE	2.9	1.4	.4	.0	.0	.0	.0	.7	2.9	1.1	38.3	.0	.0	54.9
SSE	3.3	2.2	.0	.0	.0	.0	.0	.3	5.2	.8	28.2	.0	.0	63.0
S	3.6	2.6	.3	.0	.0	.0	.0	.1	5.1	.6	22.0	.0	.0	67.4
SSW	3.6	2.8	.0	.0	.0	.0	.0	.1	2.9	.3	16.0	.0	.0	75.7
SW	3.1	1.5	.0	.0	.0	.0	.0	.0	5.1	.5	11.8	.0	.0	79.2
WSW	7.0	2.5	.0	.0	.0	.0	.0	.0	10.2	1.9	19.7	.0	.0	63.7
W	7.8	3.3	.0	.0	.0	.0	.0	.0	18.9	5.6	18.9	.0	.0	48.9
WNW	16.4	1.6	1.1	.0	.0	.0	.0	.0	15.3	5.5	21.3	.0	.0	50.3
NW	17.0	1.2	1.3	.0	.0	.0	.0	.1	18.8	10.3	22.2	.0	.0	45.4
NNW	25.4	1.0	2.2	.0	.0	.0	.0	.0*	18.7	7.7	19.6	.0	.0	45.9
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CLM	5.5	.9	.4	.0	.0	.0	.0	.0	16.8	11.8	36.7	.0	.0	40.8
TOTALS	3510	393	325	0	0	0	0	17	3421	1283	5362	0	3	13581
% TOTAL	14.0	1.6	1.3	.0	.0	.0	.0	.1	13.7	5.1	21.4	.0	.0*	54.3

TOTAL NUMBER OF OBSERVATIONS : 25001

NOTES : \* = PERCENT < .05

14 - PERCENTAGE FREQUENCY OF WIND DIRECTION  
VEPSUS  
WEATHER CONDITIONS  
(FROM HOURLY OBSERVATIONS)

083319 ATSUGI, JAPAN  
PERIOD OF RECORD : 1951-1987  
LAT. : 35 27N LONG. : 139 27E ELEV. : 214 FT  
MONTH : NOV

WIND DIR.	RAIN	RAIN SHOWERS	DRIZZLE	FREEZE RAIN FREEZE	SLEET " SHOWERS ICE	SNOW " GRAINS " PELLET	HAIL SMALL MAIL	THUNDER TORNADO SQUALLS	FOG	ICE FOG GROUND FOG	SMOKE HAZE	BLOWING SNOW	BLOWING SAND DUST	NO WEATHER
N	12.5	1.1	.9	.0	.0	.0*	.0	.0*	11.8	4.2	24.1	.0	.0*	54.0
NNE	7.8	1.0	.4	.0	.0	.1	.0	.1	9.7	2.8	23.2	.0	.1	61.5
NE	5.5	.9	.2	.0	.0	.0	.0	.1	5.7	2.0	29.9	.0	.0	59.9
ENE	3.8	1.0	.2	.0	.0	.0	.0	.2	5.0	.6	41.7	.0	.0	50.8
E	3.5	.0	.0	.0	.0	.0	.0	.0	3.1	.8	44.7	.0	.0	51.0
ESE	2.1	.3	.3	.0	.0	.0	.0	.0	2.1	.9	47.9	.0	.0	48.5
SE	.7	.3	.0	.0	.0	.0	.0	.3	3.7	1.0	49.0	.0	.0	47.6
SSE	3.7	.6	.0	.0	.0	.0	.0	.0	4.3	.9	30.2	.0	.0	61.8
S	4.2	2.1	.2	.0	.0	.0	.0	.2	3.6	.9	25.7	.0	.0	65.4
SSW	4.0	2.8	.1	.0	.0	.0	.0	.0	3.3	.1	15.1	.0	.2	76.8
SW	2.2	.8	.0	.0	.0	.0	.0	.0	2.0	.6	9.7	.0	.0	86.9
WSW	3.0	.5	.0	.0	.0	.0	.0	.0	2.0	1.0	10.6	.0	.0	83.8
W	3.8	2.3	.0	.0	.0	.0	.0	.0	7.5	3.0	21.1	.0	.0	66.2
WNW	5.6	.0	.0	.0	.0	.0	.0	.0	14.0	4.5	19.7	.0	.0	63.5
NW	7.9	1.2	.0	.0	.0	.0	.0	.1	10.4	4.8	32.4	.0	.0	53.2
NNW	13.8	1.0	.6	.0	.0	.1	.0*	.0*	9.7	6.2	26.6	.0	.0	53.1
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CLM	4.0	.2	.4	.0	.0	.0	.0	.0	12.7	11.5	43.2	.0	.0	39.0
TOTALS	2169	249	123	0	0	7	1	12	2244	998	6628	0	6	13607
% TOTAL	9.0	1.0	.5	.0	.0	.0*	.0*	.0*	9.3	4.1	27.4	.0	.0*	56.2

TOTAL NUMBER OF OBSERVATIONS : 24226

NOTES :  
\* = PERCENT < .05

14 - PERCENTAGE FREQUENCY OF WIND DIRECTION  
VERSUS  
WEATHER CONDITIONS  
(FROM HOURLY OBSERVATIONS)

C43319 ATSUGI, JAPAN  
PERIOD OF RECORD : 1951-1987

LAT. : 35 27N LONG. : 139 27E ELEV. : 214 FT  
MONTH : DEC

WIND DIR.	RAIN	RAIN SHOWERS	DRIZZLE	FREEZE RAIN	SLEET " SHOWERS	SNOW " GRAINS " PELLET	HAIL SMALL HAIL	THUNDER TORNADO SQUALLS	FOG	ICE FOG GROUND FOG	SMOKE HAZE	BLOWING SNOW	BLOWING SAND DUST	NO WEATHER
N	7.9	.5	.2	.0	.0	.7	.0	.0*	7.1	2.4	29.8	.0	.0*	58.0
NNE	4.0	.7	.1	.0	.0	.1	.0	.0*	3.8	1.7	26.3	.0	.0	66.0
NE	2.9	.7	.2	.0	.0	.1	.0	.0	2.6	1.6	32.5	.0	.0	62.2
ENE	2.8	.9	.4	.0	.0	.0	.0	.0	2.7	.6	41.5	.0	.0	54.1
E	.4	.6	.2	.0	.0	.0	.0	.2	2.1	.6	48.8	.0	.0	48.8
ESE	1.8	.0	.0	.0	.0	.3	.0	.0	1.0	1.6	51.6	.0	.0	45.3
SE	2.0	.6	.0	.0	.0	.0	.0	.3	2.3	1.4	43.9	.0	.0	51.7
SSE	.2	.2	.0	.0	.0	.0	.0	.0	1.6	.2	34.6	.0	.0	63.1
S	2.1	1.1	.0	.0	.0	.1	.0	.0	2.2	1.0	26.0	.0	.0	68.9
SSW	2.3	1.1	.0	.0	.0	.0	.0	.0	1.2	.3	12.5	.0	.1	83.1
SW	1.2	.7	.0	.0	.0	.0	.0	.0	1.4	.5	7.6	.0	.3	88.9
WSW	.9	.9	.0	.0	.0	.0	.0	.0	1.3	.6	7.3	.0	.0	89.6
W	.5	.0	.0	.0	.0	.0	.0	.0	6.0	3.7	22.7	.0	.0	69.9
WNW	2.7	.4	1.3	.0	.0	.0	.0	.0	1.8	3.1	22.8	.0	.0	71.9
NW	3.6	.3	.1	.0	.0	.0	.0	.0	4.6	2.7	35.5	.0	.0	57.6
NNW	8.9	.3	.2	.0	.0	.4	.0	.0	6.6	3.0	33.1	.0	.0	55.5
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CLM	1.7	.2	.1	.0	.0	.0	.0	.0	7.9	6.2	43.8	.0	.0	45.5
TOTALS	1222	132	39	0	0	76	0	5	1272	606	7656	0	4	14920
% TOTAL	4.9	.5	.2	.0	.0	.3	.0	.0*	5.1	2.4	30.8	.0	.0*	60.1

TOTAL NUMBER OF OBSERVATIONS : 24845

NOTES :  
\* = PERCENT < .05

14 - PERCENTAGE FREQUENCY OF WIND DIRECTION  
VERSUS  
WEATHER CONDITIONS  
(FROM HOURLY OBSERVATIONS)

043319 ATSUGI, JAPAN  
PERIOD OF RECORD : 1951-1987

LAT. : 35 27N LONG. : 139 27E ELEV. : 214 FT  
MONTH : ANN

WIND DIR.	RAIN	RAIN SHOWRS	DRIZZLE	FREEZE RAIN FREEZE	SLEET " SHOWRS ICE	SNOW " GRAINS " PELLET	HAIL SMALL HAIL	THUNDER TORNADO SQUALLS	FOG	ICE FOG GROUND FOG	SMOKE HAZE	BLOWING SNOW	BLOWING SAND DUST	NO WEATHER
N	15.7	1.7	2.1	.0*	.0*	1.3	.0*	.1	16.7	4.8	20.4	.0*	.1	50.4
NNE	9.9	1.6	2.1	.0*	.0*	.6	.0*	.1	13.4	3.1	21.5	.0	.2	57.5
NE	8.0	1.9	2.1	.0	.0*	.2	.0	.2	11.8	2.3	27.5	.0	.1	54.4
ENE	6.4	2.3	1.6	.0*	.0	.2	.0*	.2	10.0	1.9	33.6	.0	.0*	51.2
E	4.9	2.7	.9	.0	.0	.1	.0	.3	6.5	1.3	35.3	.0	.1	53.2
ESE	4.3	2.1	.7	.0	.0	.1	.0	.3	5.7	1.4	39.2	.0	.1	51.4
SE	5.5	2.1	.6	.0	.0	.0*	.0	.2	6.7	2.5	36.0	.0	.0*	51.9
SSE	5.8	2.9	.6	.0	.0	.0*	.0	.1	8.0	2.7	27.7	.0	.1	58.3
S	5.2	3.1	.3	.0	.0	.0*	.0*	.2	7.2	1.8	20.2	.0*	.1	66.5
SSW	5.6	3.1	.2	.0	.0	.0*	.0*	.2	4.9	1.4	16.2	.0	.4	72.0
SW	5.1	2.2	.4	.0	.0	.0*	.0	.2	4.6	1.5	13.9	.0	.7	75.2
WSW	5.6	3.0	.4	.0	.0	.1	.0	.5	7.0	2.1	13.7	.0	.5	72.6
W	7.4	2.7	.5	.0	.0	.1	.1	.5	11.7	4.4	16.4	.0	.0*	63.3
WNW	9.4	2.5	.9	.0	.0	.2	.0*	.5	14.9	6.3	17.3	.0	.1	58.4
NW	12.2	1.5	1.1	.0	.0	.4	.0	.2	14.5	7.1	23.6	.0*	.0*	52.1
NNW	19.6	1.4	2.0	.0*	.0*	1.7	.0*	.1	17.4	6.3	22.8	.1	.1	47.1
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CLM	5.2	.7	.8	.0*	.0*	.0*	.0*	.1	17.2	12.2	34.3	.0	.0*	42.5
TOTALS	29775	5818	4021	21	28	1764	17	427	36669	12678	69058	37	367	163340
* TOTAL	10.1	2.0	1.4	.0*	.0*	.6	.0*	.1	12.5	4.3	23.5	.0*	.1	55.5

TOTAL NUMBER OF OBSERVATIONS : 294325

NOTES : \* = PERCENT < .05

## 15 - MEANS AND STANDARD DEVIATIONS

DRY-BULB TEMPERATURE (DEG F)  
(FROM HOURLY OBSERVATIONS)

043319 ATSUGI, JAPAN  
PERIOD OF RECORD : 1951-1987

LAT. : 35 27N LONG. : 139 27E ELEV. : 214 FT

HOURS (LST)	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN	35.4	36.6	42.6	52.4	59.9	66.4	73.2	75.6	69.4	58.9	49.7	40.3	55.1
S.D.	5.978	6.337	6.986	6.794	4.890	4.778	4.242	3.488	5.419	5.644	6.599	6.598	14.802
TOT OBS	951	866	980	950	979	958	953	953	927	988	956	986	11447
MEAN	33.9	35.0	40.7	50.9	55.3	65.3	72.5	74.7	68.6	57.9	48.4	38.9	53.8
S.D.	6.307	6.689	7.364	7.327	5.454	5.177	4.336	3.676	5.560	6.136	7.012	6.945	15.204
TOT OBS	951	862	978	950	981	958	948	954	921	984	952	982	11421
MEAN	32.4	33.5	39.0	49.5	57.9	65.2	72.0	74.0	67.3	56.5	46.6	37.1	52.7
S.D.	6.562	6.873	7.543	7.321	5.213	4.773	4.437	3.617	5.544	6.084	7.177	7.083	15.644
TOT OBS	1050	967	1098	1058	1091	1050	1069	1067	1032	1069	1035	1066	12652
MEAN	38.7	40.6	46.7	57.5	66.1	71.3	77.8	80.6	73.5	63.2	53.5	43.7	59.5
S.D.	4.761	5.618	6.511	6.947	5.561	5.843	5.954	4.916	6.014	5.564	6.138	5.561	15.289
TOT OBS	1057	967	1093	1052	1084	1048	1058	1054	1031	1061	1033	1066	12604
MEAN	46.6	47.2	52.2	61.9	69.8	74.6	81.0	84.4	77.0	67.8	59.5	51.7	64.6
S.D.	5.633	6.507	7.538	7.580	6.277	6.539	6.606	5.644	6.926	6.590	6.805	6.123	14.282
TOT OBS	1068	968	1099	1055	1084	1060	1061	1076	1037	1072	1044	1072	12696
MEAN	48.3	48.8	53.5	62.6	70.2	74.8	81.3	84.7	77.9	68.6	60.5	53.1	65.4
S.D.	5.765	6.958	7.598	7.366	6.185	6.146	6.177	5.274	6.942	6.525	6.775	6.220	13.844
TOT OBS	1067	972	1087	1055	1089	1064	1064	1067	1035	1065	1033	1072	12670
MEAN	41.8	43.5	49.1	58.4	66.0	71.2	77.5	80.0	73.3	63.4	54.5	46.1	60.5
S.D.	5.133	6.070	6.682	6.272	5.116	5.031	4.949	4.101	5.625	5.337	6.102	5.788	14.032
TOT OBS	1068	978	1101	1059	1100	1064	1068	1069	1037	1073	1042	1074	12733
MEAN	38.2	40.0	45.7	55.5	62.7	68.7	75.0	77.4	71.2	60.9	51.8	42.9	57.6
S.D.	5.521	6.142	6.692	6.343	4.703	4.748	4.383	3.640	5.483	5.570	6.523	6.369	14.370
TOT OBS	1055	971	1102	1058	1103	1067	1067	1072	1034	1077	1041	1054	12701
MEAN	39.6	40.8	46.3	56.2	64.0	69.8	76.4	79.0	72.4	62.2	53.2	44.3	58.8
S.D.	7.879	8.256	8.654	8.371	7.122	6.535	6.269	5.872	6.991	7.254	8.120	8.344	15.342
TOT OBS	8267	7551	9538	8237	9511	8269	8288	8312	8054	8389	8136	8372	98924

## 16 - MEANS AND STANDARD DEVIATIONS

WET-BULB TEMPERATURE (DEG F)  
(FROM HOURLY OBSERVATIONS)043319 ATSUGI, JAPAN  
PERIOD OF RECORD : 1951-1987

LAT. : 35 27N LONG. : 139 27E ELEV. : 214 FT

HOURS (LST)	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN	31.4	32.7	38.8	48.8	56.8	63.9	70.9	72.9	66.7	55.9	46.2	36.5	51.9
S.D.	5.885	6.424	7.300	7.294	5.117	4.675	3.938	3.396	5.371	5.972	6.890	6.563	15.340
TOT OBS	951	866	980	950	579	958	953	953	927	987	956	986	11446
MEAN	30.3	31.5	37.5	47.7	55.7	63.2	70.6	72.5	66.2	55.2	45.3	35.5	51.0
S.D.	6.109	6.696	7.504	7.686	5.581	5.018	4.016	3.622	5.506	6.397	7.206	6.805	15.708
TOT OBS	951	862	978	951	981	958	948	954	921	984	951	982	11421
MEAN	29.1	30.3	36.0	46.6	55.2	63.1	70.2	71.8	65.1	54.0	43.8	33.9	50.0
S.D.	6.298	6.986	7.666	7.729	5.482	4.786	4.072	3.535	5.543	6.382	7.388	6.834	16.076
TOT OBS	1049	966	1098	1058	1091	1049	1065	1067	1032	1069	1035	1065	12644
MEAN	33.6	35.3	40.9	51.1	59.3	66.0	72.7	74.8	68.2	57.8	48.2	38.7	53.9
S.D.	4.820	5.888	6.663	6.963	5.051	4.742	4.479	3.688	5.415	5.585	6.398	5.555	15.101
TOT OBS	1057	966	1093	1052	1083	1048	1058	1054	1031	1060	1032	1066	12600
MEAN	38.0	38.9	43.8	53.2	60.7	67.0	73.6	75.6	69.2	59.4	50.8	42.9	56.2
S.D.	5.095	5.850	6.570	6.535	4.827	4.684	4.325	3.656	5.312	5.448	6.208	5.519	13.944
TOT OBS	1068	968	1099	1054	1084	1060	1059	1076	1036	1072	1043	1072	12691
MEAN	39.5	40.3	45.2	54.2	61.4	67.5	74.0	76.2	69.9	60.2	51.8	44.1	57.1
S.D.	5.042	5.875	6.457	6.341	4.750	4.461	4.196	3.483	5.247	5.373	6.210	5.557	13.606
TOT OBS	1067	972	1087	1055	1089	1064	1064	1066	1035	1066	1033	1072	12670
MEAN	35.7	37.4	43.1	52.6	59.9	66.2	72.6	74.5	68.4	58.3	49.0	40.3	54.9
S.D.	5.222	6.032	6.526	6.247	4.544	4.169	3.897	3.201	5.129	5.464	6.487	5.942	14.257
TOT OBS	1068	976	1101	1059	1100	1064	1068	1069	1037	1073	1042	1074	12731
MEAN	33.4	35.4	41.2	51.2	58.8	65.4	72.0	73.9	67.7	57.2	47.6	38.3	53.7
S.D.	5.494	6.393	6.968	6.769	4.796	4.395	3.847	3.315	5.293	5.813	6.873	6.383	14.913
TOT OBS	1055	971	1102	1056	1103	1067	1066	1072	1034	1077	1041	1054	12700
MEAN	34.0	35.3	40.9	50.7	58.5	65.3	72.1	74.1	67.7	57.3	47.9	38.8	53.6
S.D.	6.486	7.088	7.585	7.401	5.467	4.874	4.318	3.776	5.553	6.135	7.179	6.990	15.053
TOT OBS	8266	7547	8538	8237	8510	8268	8281	8311	8053	8388	8133	8371	98903

## 17 - MEANS AND STANDARD DEVIATIONS

DEW-POINT TEMPERATURE (DEG F)  
(FROM HOURLY OBSERVATIONS)043319 ATSUGI, JAPAN  
PERIOD OF RECORD : 1951-1987  
LAT. : 35 27N LONG. : 139 27E ELEV. : 214 FT

HOURS (LST)	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
00	MEAN 23.7 S.D. 8.900 TOT OBS 950	25.4 9.838 866	33.2 10.357 980	45.0 9.800 950	54.3 6.655 979	62.4 5.261 958	69.7 4.132 953	71.6 3.822 953	65.2 5.924 927	53.4 7.231 987	42.2 8.959 956	30.5 9.073 986	48.1 18.180 11445
03	MEAN 23.0 S.D. 8.883 TOT OBS 951	24.6 9.656 862	32.4 10.029 977	44.2 9.884 951	53.5 6.772 981	61.9 5.490 958	69.6 4.149 948	71.3 3.943 954	64.8 5.976 921	52.9 7.453 983	41.6 8.966 951	29.8 9.027 982	47.6 18.334 11419
06	MEAN 21.9 S.D. 8.917 TOT OBS 1050	23.6 10.049 966	30.9 10.194 1098	43.2 9.848 1058	52.9 6.929 1091	61.7 5.375 1049	69.2 4.368 1069	70.7 3.827 1067	63.8 6.012 1032	51.7 7.529 1069	40.2 9.078 1035	28.3 8.960 1066	46.6 18.660 12650
09	MEAN 24.5 S.D. 8.383 TOT OBS 1057	25.9 10.239 966	32.5 10.786 1093	44.5 10.622 1052	54.2 7.501 1083	62.9 5.668 1047	70.5 4.616 1058	72.2 4.093 1054	65.4 6.375 1031	53.5 7.498 1059	42.3 9.040 1032	31.1 8.439 1066	48.4 18.368 12598
12	MEAN 23.9 S.D. 10.065 TOT OBS 1067	25.4 11.343 968	32.7 11.247 1099	44.9 10.348 1054	54.0 7.734 1084	62.7 5.768 1059	70.3 4.511 1060	71.9 4.341 1076	65.0 6.352 1036	53.0 7.996 1071	42.1 9.665 1043	31.0 9.708 1072	48.2 18.620 12689
15	MEAN 25.6 S.D. 9.992 TOT OBS 1066	27.3 10.959 972	34.8 10.668 1097	46.5 9.828 1055	55.2 7.236 1089	63.4 5.431 1064	70.9 4.428 1064	72.6 4.130 1066	65.8 6.384 1035	54.0 7.851 1066	43.3 9.671 1033	32.3 9.616 1072	49.4 18.119 12669
18	MEAN 25.3 S.D. 9.613 TOT OBS 1068	27.4 10.637 976	35.1 10.445 1101	47.0 9.277 1059	55.5 6.513 1100	63.3 4.918 1064	70.4 4.177 1068	72.2 3.787 1069	65.7 5.990 1037	54.4 7.349 1073	43.1 9.438 1042	32.0 9.480 1074	49.4 17.887 12731
21	MEAN 24.6 S.D. 8.974 TOT OBS 1055	27.3 10.435 971	34.8 10.478 1102	46.9 9.541 1058	55.8 6.503 1103	63.5 4.992 1067	70.6 4.166 1067	72.4 3.787 1072	65.8 5.952 1034	54.3 7.223 1077	42.8 9.358 1041	31.4 9.224 1054	49.4 18.082 12701
ALL	MEAN 24.1 S.D. 9.314 TOT OBS 8264	25.9 10.504 7547	33.3 10.631 8537	45.3 9.984 8237	54.4 7.062 8510	62.8 5.406 8266	70.2 4.359 8287	71.9 4.014 8311	65.2 6.185 8053	53.4 7.566 8385	42.2 9.324 8133	30.8 9.281 8372	48.4 18.306 98902



## 18 - MEANS AND STANDARD DEVIATIONS

SEA-LEVEL PRESSURE (MB)  
FROM HOURLY OBSERVATIONS043319 ATSUGI, JAPAN  
PERIOD OF RECORD : 1951-1987

LAT. : 35 27N LONG. : 139 27E ELEV. : 214 FT

HOURS (LST)	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN	1014.2	1016.0	1015.2	1016.2	1012.4	1009.2	1008.9	1009.7	1012.5	1016.8	1018.6	1016.7	1013.8
S.D.	7.451	6.759	7.379	7.228	6.444	5.095	4.411	4.552	5.618	6.344	6.551	6.958	7.052
TOT OBS	621	565	621	610	651	630	621	620	598	621	599	619	7375
MEAN	1014.2	1015.7	1014.8	1015.5	1011.9	1008.8	1008.4	1009.2	1012.1	1016.4	1018.3	1016.5	1013.5
S.D.	7.554	6.839	7.303	7.240	6.459	5.139	4.447	4.534	5.508	6.361	6.550	6.985	7.084
TOT OBS	626	570	631	623	661	633	623	625	607	624	604	627	7454
MEAN	1014.5	1016.2	1015.5	1016.3	1012.6	1009.4	1008.9	1009.8	1012.7	1016.9	1018.8	1016.8	1014.0
S.D.	7.559	6.942	7.414	7.376	6.499	5.142	4.605	4.581	5.302	6.544	6.469	6.975	7.102
TOT OBS	622	567	621	611	652	630	620	620	601	621	600	621	7386
MEAN	1015.4	1017.0	1016.3	1016.8	1012.8	1009.6	1009.1	1010.1	1013.2	1017.7	1019.5	1017.9	1014.6
S.D.	7.653	7.194	7.498	7.385	6.593	5.123	4.632	4.592	5.291	6.691	6.559	7.035	7.282
TOT OBS	633	575	634	621	665	637	630	633	607	624	610	636	7505
MEAN	1013.5	1015.4	1014.7	1015.6	1011.9	1009.0	1008.6	1009.3	1012.3	1016.4	1017.8	1015.8	1013.3
S.D.	7.666	7.284	7.651	7.448	6.644	5.056	4.592	4.623	5.469	6.681	6.609	7.168	7.152
TOT OBS	621	565	621	610	651	630	620	621	599	620	599	620	7377
MEAN	1012.6	1014.2	1013.2	1014.2	1010.8	1006.2	1007.8	1008.4	1011.2	1015.5	1016.9	1015.0	1012.3
S.D.	7.613	7.179	7.586	7.422	6.577	5.030	4.509	4.590	5.392	6.556	6.643	7.127	7.074
TOT OBS	623	566	622	616	653	632	623	624	604	625	604	624	7416
MEAN	1013.7	1015.3	1014.0	1014.7	1011.0	1008.3	1007.9	1008.6	1011.8	1016.3	1018.0	1016.2	1012.9
S.D.	7.469	6.847	7.455	7.279	6.492	5.022	4.487	4.583	5.499	6.511	6.684	6.983	7.159
TOT OBS	620	566	621	609	651	631	620	622	601	621	601	620	7383
MEAN	1014.5	1016.4	1015.2	1016.1	1012.3	1009.3	1008.9	1009.9	1012.9	1017.2	1018.7	1016.8	1014.0
S.D.	7.460	6.639	7.378	7.155	6.474	5.085	4.442	4.547	5.618	6.416	6.704	6.948	7.069
TOT OBS	628	579	627	625	657	635	625	632	608	624	609	625	7474
MEAN	1014.1	1015.8	1014.9	1015.7	1012.0	1009.0	1008.6	1009.4	1012.3	1016.6	1018.3	1016.5	1013.5
S.D.	7.589	7.002	7.502	7.357	6.556	5.107	4.536	4.609	5.491	6.540	6.631	7.063	7.153
TOT OBS	4993	4553	4998	4925	5241	5058	4982	4997	4825	4980	4826	4992	59370

## 19 - MEANS AND STANDARD DEVIATIONS

STATION PRESSURE (INCHES OF HG)  
(FROM HOURLY OBSERVATIONS)043319 AITSUGI, JAPAN  
PERIOD OF RECORD : 1951-1987

LAT. : 35 27N LONG. : 139 27E ELEV. : 214 FT

HOURS (LST)	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
00	29.738 MEAN .206 S.D. 951 TOT OBS	29.767 MEAN .194 S.D. 866 TOT OBS	29.763 MEAN .221 S.D. 955 TOT OBS	29.781 MEAN .209 S.D. 950 TOT OBS	29.684 MEAN .186 S.D. 979 TOT OBS	29.606 MEAN .146 S.D. 958 TOT OBS	29.594 MEAN .125 S.D. 953 TOT OBS	29.617 MEAN .139 S.D. 953 TOT OBS	29.704 MEAN .156 S.D. 925 TOT OBS	29.807 MEAN .187 S.D. 986 TOT OBS	29.856 MEAN .197 S.D. 956 TOT OBS	29.798 MEAN .206 S.D. 986 TOT OBS	29.726 MEAN .201 S.D. 11418 TOT OBS
03	29.734 MEAN .207 S.D. 949 TOT OBS	29.761 MEAN .196 S.D. 860 TOT OBS	29.754 MEAN .218 S.D. 951 TOT OBS	29.769 MEAN .208 S.D. 949 TOT OBS	29.672 MEAN .187 S.D. 980 TOT OBS	29.593 MEAN .147 S.D. 957 TOT OBS	29.582 MEAN .127 S.D. 947 TOT OBS	29.605 MEAN .136 S.D. 953 TOT OBS	29.690 MEAN .156 S.D. 921 TOT OBS	29.793 MEAN .190 S.D. 984 TOT OBS	29.846 MEAN .198 S.D. 952 TOT OBS	29.797 MEAN .204 S.D. 982 TOT OBS	29.716 MEAN .202 S.D. 11385 TOT OBS
06	29.741 MEAN .204 S.D. 1040 TOT OBS	29.768 MEAN .202 S.D. 946 TOT OBS	29.769 MEAN .221 S.D. 1046 TOT OBS	29.784 MEAN .210 S.D. 1032 TOT OBS	29.691 MEAN .189 S.D. 1064 TOT OBS	29.609 MEAN .146 S.D. 1048 TOT OBS	29.602 MEAN .128 S.D. 1067 TOT OBS	29.623 MEAN .135 S.D. 1066 TOT OBS	29.705 MEAN .150 S.D. 1031 TOT OBS	29.809 MEAN .191 S.D. 1069 TOT OBS	29.852 MEAN .201 S.D. 1036 TOT OBS	29.806 MEAN .203 S.D. 1072 TOT OBS	29.729 MEAN .201 S.D. 12517 TOT OBS
09	29.768 MEAN .208 S.D. 1031 TOT OBS	29.792 MEAN .208 S.D. 943 TOT OBS	29.795 MEAN .223 S.D. 1038 TOT OBS	29.799 MEAN .214 S.D. 1023 TOT OBS	29.700 MEAN .192 S.D. 1060 TOT OBS	29.617 MEAN .149 S.D. 1047 TOT OBS	29.608 MEAN .130 S.D. 1058 TOT OBS	29.631 MEAN .138 S.D. 1054 TOT OBS	29.719 MEAN .152 S.D. 1030 TOT OBS	29.835 MEAN .197 S.D. 1060 TOT OBS	29.878 MEAN .205 S.D. 1033 TOT OBS	29.834 MEAN .207 S.D. 1067 TOT OBS	29.747 MEAN .207 S.D. 12444 TOT OBS
12	29.714 MEAN .206 S.D. 1043 TOT OBS	29.751 MEAN .207 S.D. 947 TOT OBS	29.754 MEAN .225 S.D. 1047 TOT OBS	29.767 MEAN .212 S.D. 1031 TOT OBS	29.673 MEAN .191 S.D. 1060 TOT OBS	29.600 MEAN .146 S.D. 1059 TOT OBS	29.592 MEAN .128 S.D. 1060 TOT OBS	29.610 MEAN .136 S.D. 1075 TOT OBS	29.694 MEAN .154 S.D. 1038 TOT OBS	29.798 MEAN .192 S.D. 1072 TOT OBS	29.829 MEAN .206 S.D. 1044 TOT OBS	29.779 MEAN .207 S.D. 1072 TOT OBS	29.713 MEAN .202 S.D. 12548 TOT OBS
15	29.696 MEAN .207 S.D. 1043 TOT OBS	29.711 MEAN .204 S.D. 949 TOT OBS	29.705 MEAN .225 S.D. 1031 TOT OBS	29.727 MEAN .210 S.D. 1031 TOT OBS	29.639 MEAN .188 S.D. 1167 TOT OBS	29.574 MEAN .145 S.D. 1062 TOT OBS	29.568 MEAN .126 S.D. 1064 TOT OBS	29.583 MEAN .136 S.D. 1066 TOT OBS	29.665 MEAN .152 S.D. 1034 TOT OBS	29.769 MEAN .190 S.D. 1064 TOT OBS	29.802 MEAN .204 S.D. 1033 TOT OBS	29.753 MEAN .206 S.D. 1072 TOT OBS	29.681 MEAN .200 S.D. 12516 TOT OBS
18	29.718 MEAN .206 S.D. 1042 TOT OBS	29.741 MEAN .199 S.D. 954 TOT OBS	29.731 MEAN .218 S.D. 1051 TOT OBS	29.738 MEAN .208 S.D. 1039 TOT OBS	29.645 MEAN .186 S.D. 1073 TOT OBS	29.577 MEAN .145 S.D. 1061 TOT OBS	29.571 MEAN .125 S.D. 1066 TOT OBS	29.590 MEAN .136 S.D. 1070 TOT OBS	29.680 MEAN .152 S.D. 1036 TOT OBS	29.792 MEAN .191 S.D. 1072 TOT OBS	29.836 MEAN .203 S.D. 1042 TOT OBS	29.785 MEAN .204 S.D. 1075 TOT OBS	29.700 MEAN .202 S.D. 12581 TOT OBS
21	29.741 MEAN .205 S.D. 1034 TOT OBS	29.772 MEAN .196 S.D. 948 TOT OBS	29.767 MEAN .218 S.D. 1045 TOT OBS	29.781 MEAN .204 S.D. 1032 TOT OBS	29.684 MEAN .187 S.D. 1075 TOT OBS	29.608 MEAN .145 S.D. 1066 TOT OBS	29.602 MEAN .127 S.D. 1067 TOT OBS	29.626 MEAN .135 S.D. 1072 TOT OBS	29.710 MEAN .158 S.D. 1034 TOT OBS	29.820 MEAN .188 S.D. 1074 TOT OBS	29.858 MEAN .203 S.D. 1039 TOT OBS	29.802 MEAN .205 S.D. 1054 TOT OBS	29.730 MEAN .201 S.D. 12540 TOT OBS
ALL	29.730 MEAN .207 S.D. 8133 TOT OBS	29.758 MEAN .202 S.D. 7413 TOT OBS	29.755 MEAN .223 S.D. 9164 TOT OBS	29.768 MEAN .211 S.D. 8087 TOT OBS	29.673 MEAN .189 S.D. 8358 TOT OBS	29.598 MEAN .147 S.D. 9258 TOT OBS	29.590 MEAN .128 S.D. 8282 TOT OBS	29.610 MEAN .137 S.D. 8309 TOT OBS	29.696 MEAN .154 S.D. 8049 TOT OBS	29.803 MEAN .192 S.D. 9381 TOT OBS	29.844 MEAN .203 S.D. 8135 TOT OBS	29.794 MEAN .206 S.D. 8380 TOT OBS	29.718 MEAN .203 S.D. 97909 TOT OBS

## 20 - FLYING WEATHER - PERCENT OF HOURS

043319 ATSUGI, JAPAN  
PERIOD OF RECORD : 1951-1987

LAT. : 35 27N LONG. : 139 27E ELEV. : 214 FT

PERCENT OF HOURS WITH  
CEILING LESS THAN 5000 FEET & VISIBILITY LESS THAN 5.00 MILES

HOUR (LST)	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL	# YRS
00	22	31	38	38	40	54	61	47	49	46	40	30	41	37
03	19	27	38	41	44	44	68	55	53	42	37	24	42	37
06	17	26	40	51	56	72	77	69	65	49	37	22	47	37
09	35	38	40	44	44	63	71	62	54	43	41	48	48	37
12	17	25	36	41	39	58	61	53	52	37	30	26	39	37
15	23	32	38	39	31	51	50	43	47	37	33	29	37	37
18	32	42	45	41	35	51	49	45	58	52	48	46	45	37
21	28	36	38	36	34	50	53	43	51	50	49	41	42	37
ALL	24	32	39	41	40	58	61	52	54	45	39	33	43	37

PERCENT OF HOURS WITH  
CEILING LESS THAN 1500 FEET & VISIBILITY LESS THAN 3.00 MILES

HOUR (LST)	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL	# YRS
00	6	10	11	15	18	28	34	22	23	17	13	8	17	37
03	5	8	9	16	21	36	44	30	27	15	9	5	18	37
06	3	8	14	24	29	46	55	44	36	19	10	4	23	37
09	9	14	14	20	18	36	39	29	25	15	13	15	20	37
12	6	9	12	16	15	26	27	21	21	12	8	8	15	37
15	8	13	15	15	13	23	20	16	19	12	13	11	14	37
18	13	18	20	17	16	27	25	20	27	20	20	20	20	37
21	9	12	13	14	14	25	26	19	20	17	19	17	17	37
ALL	8	11	14	17	18	31	34	25	25	16	13	11	18	37

PERCENT OF HOURS WITH  
CEILING LESS THAN 1000 FEET & VISIBILITY LESS THAN 3.00 MILES

HOUR (LST)	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL	# YRS
00	6	10	9	13	16	26	31	20	20	15	12	7	15	37
03	5	7	8	13	19	31	41	27	24	12	9	4	16	37
06	2	7	13	22	29	46	52	42	34	18	9	4	22	37
09	9	13	13	16	17	35	34	25	23	14	13	15	18	37
12	6	8	11	15	13	24	24	18	19	11	8	8	13	37
15	8	12	12	13	12	21	17	14	16	11	12	10	13	37
18	13	17	20	16	16	25	23	18	26	19	20	19	19	37
21	9	11	11	13	12	23	24	17	17	16	17	16	15	37
ALL	7	11	12	15	17	28	31	22	22	14	12	10	17	37

70 - FLYING WEATHER - PERCENT OF HOURS

043319 AISUGI, JAPAN  
PERIOD OF RECORD : 1951-1987

LAT. : 35 27N LONG. : 139 27E ELEV. : 214 FT

PERCENT OF HOURS WITH  
400 FEET & VISIBILITY LESS THAN 1 MILES

HOUP (LST)	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL	# YRS
00	1	1	2	2	4	4	6	3	3	1	1	1	2	37
03	1	2	2	3	4	6	12	7	5	2	1	1	4	37
06	0*	1	2	5	6	12	19	11	7	3	1	0*	5	37
09	0*	1	1	2	2	4	4	1	1	1	1	1	1	37
12	1	2	2	2	2	2	2	1	1	1	1	0*	1	37
15	1	2	2	1	2	2	2	1	2	1	1	1	1	37
18	1	3	3	3	3	4	4	1	3	1	1	1	2	37
21	0*	1	1	2	2	3	3	2	1	1	1	1	1	37
ALL	1	2	2	3	3	5	6	3	3	1	1	1	2	37

PERCENT OF HOURS WITH  
200 FEET & VISIBILITY LESS THAN 1/2 MILES

HOUP (LST)	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL	# YRS
00	0*	1	0*	0*	1	1	2	1	1	1	0*	1	1	37
03	0*	0*	1	2	1	3	5	3	1	1	0	0*	1	37
06	0*	0*	1	2	2	3	6	4	1	1	1	0*	2	37
09	0	0	0	0	0	1	0*	0*	0	0	0	0	0*	37
12	0*	0*	0*	0	0*	0*	0*	0	0	0	0	0	0*	37
15	0	0*	0*	0	0*	0*	0*	0	0*	0	0	0*	0*	37
18	0*	0*	0*	1	0*	0*	0*	0	0*	0	0	0*	0*	37
21	0*	0*	0*	0*	0	0*	1	0	0*	0*	0*	0*	0*	37
ALL	0*	0*	0*	1	1	1	2	1	0*	0*	0*	0*	1	37

NOTE : # = VALUE > 0 AND < 0.5 PERCENT

## 20 - FLYING WEATHER - PERCENT OF HOURS

Q43319 ATSUGI, JAPAN  
PERIOD OF RECORD : 1951-1987

LAT. : 35 27N LONG. : 139 27E ELEV. : 214 FT

HOUR (LST)	CEILING LESS THAN			PERCENT OF HOURS WITH 400 FEET & VISIBILITY LESS THAN 1			MILES			DEC	ANNUAL	# YRS
	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT			
00	1	2	2	4	4	6	3	3	1	1	2	37
03	1	2	3	4	6	12	7	5	2	1	4	37
06	0*	1	5	6	12	19	11	7	3	1	5	37
09	0*	1	2	2	4	4	1	1	1	1	1	37
12	2	2	2	2	2	2	1	1	1	1	1	37
15	1	2	1	2	2	2	1	2	1	1	1	37
18	3	3	1	3	4	4	1	1	1	1	2	37
21	0*	1	2	2	3	3	2	1	1	1	1	37
ALL	1	2	3	3	5	6	3	3	1	1	2	37

HOUR (LST)	PERCENT OF HOURS WITH 200 FEET & VISIBILITY LESS THAN 1/2 MILES												# YRS	
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC		ANNUAL
00	0*	1	0*	0*	1	1	2	1	1	1	0*	1	1	37
03	0*	0*	1	2	1	3	5	3	1	1	0	0*	1	37
06	0*	0*	1	2	2	3	6	4	1	1	1	0*	2	37
09	0	0	0	0	0	0	0*	0*	0	0	0	0	0*	37
12	0*	0*	0*	0	0*	0*	0*	0*	0	0	0	0	0*	37
15	0*	0*	0*	0	0*	0	0*	0	0*	0	0	0*	0*	37
18	0*	0*	0*	1	0*	0*	0*	0	0*	0	0	0*	0*	37
21	0*	0*	0*	0*	0	0*	1	0	0*	0	0*	0*	0*	37
ALL	0*	0*	0*	1	1	1	2	1	1	0*	0*	0*	1	37

NOTE :  
\* = VALUE > 0 AND < 0.5 PERCENT

## 5 - DAILY TEMPERATURES

ELEMENT TYPE : MAXIMUM TEMPERATURE

043319 ATSUGI, JAPAN  
PERIOD OF RECORD : 1951-1971

LAT. : 35 27N LONG. : 139 27E ELEV. : 214 FT

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM DAILY OBSERVATIONS)

TEMP (DEG F)	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
>=100	.0	.0	.0	.0	.0	.0	.0	.3	.0	.0	.0	.0	.0*
>= 95	.0	.0	.0	.0	.0	.0	.8	3.5	.2	.0	.0	.0	.4
>= 90	.0	.0	.0	.0	.0	1.4	14.7	32.4	5.0	.0	.0	.0	4.5
>= 85	.0	.0	.0	.2	.8	10.5	46.9	71.1	24.8	.5	.0	.0	12.9
>= 80	.0	.0	.0	1.4	11.2	37.3	71.6	88.1	53.7	3.7	.0	.0	22.3
>= 75	.2	.4	.2	9.5	38.1	69.8	92.7	97.6	78.5	25.3	2.8	.0	34.7
>= 70	.2	.7	2.9	27.7	70.5	87.6	98.4	99.2	92.0	55.5	13.3	.0	46.0
>= 65	1.1	3.4	14.0	52.9	89.9	95.7	99.8	99.8	97.7	75.6	37.8	.3	56.5
>= 60	4.7	11.4	32.1	78.2	96.8	99.0	100.0	100.0	100.0	92.9	62.8	21.8	67.1
>= 55	19.4	25.9	59.1	92.5	99.7	99.8	100.0	100.0	100.0	99.4	85.3	50.3	78.0
>= 50	49.2	53.7	77.6	98.3	100.0	100.0	100.0	100.0	100.0	100.0	96.3	78.4	88.0
>= 45	84.7	82.3	92.9	99.7	100.0	100.0	100.0	100.0	100.0	100.0	99.5	96.0	96.4
>= 40	97.9	95.4	98.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	99.5	99.3
>= 35	99.7	99.6	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	99.9
>= 30	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
MEAN	49.8	50.6	55.9	65.0	72.3	77.0	83.2	86.5	79.5	69.6	61.9	54.5	67.3
S.D.	5.676	6.905	7.617	7.177	6.003	6.398	5.984	5.382	6.586	6.479	6.874	6.028	13.815
TOT. OBS.	620	560	651	629	651	630	620	620	600	620	600	620	7421

NOTES :  
# = PERCENT < .05

## 6 - DAILY TEMPERATURES

ELEMENT TYPE : MINIMUM TEMPERATURE

043319 AYSUGI, JAPAN  
PERIOD OF RECORD : 1951-1971

LAT. : 35 27N LONG. : 139 27E ELEV. : 214 FT

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM DAILY OBSERVATIONS)

TEMP (DEG F)	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
>= 75	.0	.0	.0	.0	.0	.5	12.3	25.3	3.5	.0	.0	.0	3.5
>= 70	.0	.0	.0	.0	.2	6.8	59.7	76.3	22.0	.2	.0	.0	13.7
>= 65	.0	.0	.0	.0	2.0	30.5	90.3	97.4	54.8	3.1	.0	.0	23.1
>= 60	.0	.0	.2	2.7	14.3	72.2	98.7	100.0	83.7	15.3	.2	.0	32.3
>= 55	.2	.0	1.1	13.2	52.4	93.0	100.0	100.0	97.3	45.6	3.8	.0	42.4
>= 50	.2	.5	2.9	32.5	83.7	98.9	100.0	100.0	99.3	77.4	18.3	1.0	51.6
>= 45	.5	1.8	9.4	57.4	96.2	99.8	100.0	100.0	100.0	94.4	45.2	4.8	59.5
>= 40	3.7	8.0	30.7	83.1	99.8	100.0	100.0	100.0	100.0	98.5	73.5	18.5	68.4
>= 35	15.8	20.5	53.9	94.8	100.0	100.0	100.0	100.0	100.0	100.0	88.8	39.7	76.5
>= 30	42.3	50.5	83.1	99.4	100.0	100.0	100.0	100.0	100.0	100.0	97.5	68.5	87.1
>= 25	73.2	79.3	96.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	99.8	91.3	95.1
>= 20	93.1	94.1	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	99.5	98.9
>= 15	98.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	99.9
>= 10	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
>= 5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
MEAN	28.3	29.7	35.9	46.2	54.4	62.1	70.0	71.9	65.0	53.7	43.3	33.1	49.6
S.D.	6.204	6.511	6.798	7.026	5.139	4.977	3.976	3.401	5.467	5.819	6.807	6.525	16.044
TOT. OBS.	620	560	651	629	651	630	620	620	600	620	600	620	7421

NOTES :  
\* = PERCENT < .05

## 7 - DAILY TEMPERATURES

ELEMENT TYPE : MEAN TEMPERATURE

LAT. : 35 27N LONG. : 139 27E ELEV. : 214 FT

UMIYU KITSUBI, JAPAN  
PERIOD OF RECORD : 1951-1971CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM DAILY OBSERVATIONS)

TEMP (DEG F)	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
>= 85	.0	.0	.0	.0	.0	.2	1.5	4.5	.2	.0	.0	.0	.5
>= 80	.0	.0	.0	.0	.0	2.1	31.8	58.2	10.0	.0	.0	.0	8.5
>= 75	.0	.0	.0	.0	.5	15.9	69.2	88.7	37.7	.8	.0	.0	17.7
>= 70	.0	.0	.0	1.4	8.1	55.4	93.5	98.4	72.0	5.2	.0	.0	27.8
>= 65	.0	.0	.2	8.3	44.2	86.2	99.2	99.7	91.8	31.0	2.0	.0	38.7
>= 60	.2	.0	1.7	28.1	82.2	97.1	100.0	100.0	99.5	68.5	13.3	.5	49.6
>= 55	.5	1.8	10.1	57.4	97.7	99.8	100.0	100.0	100.0	93.7	38.8	3.2	59.0
>= 50	2.7	6.6	28.3	85.2	100.0	100.0	100.0	100.0	100.0	99.8	74.0	15.0	68.1
>= 45	11.5	18.4	59.3	97.3	100.0	100.0	100.0	100.0	100.0	100.0	91.2	43.9	77.2
>= 40	43.5	49.1	95.1	99.7	100.0	100.0	100.0	100.0	100.0	100.0	99.2	78.9	88.3
>= 35	86.8	89.3	98.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	99.8	98.1	97.8
>= 30	98.5	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	99.9
>= 25	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
MEAN	39.3	40.4	46.1	55.8	63.6	69.8	76.8	79.5	72.6	61.9	52.8	44.0	58.7
S.D.	4.638	5.394	6.135	6.122	4.490	4.920	4.601	3.854	5.360	4.895	5.797	5.272	14.532
TOT. OBS.	610	560	651	629	651	630	620	620	600	620	600	620	7421

NOTES :  
\* = PERCENT < .05



## 8 - DAILY AMOUNTS

PERCENTAGE FREQUENCY OF  
PRECIPITATION

(FROM DAILY OBSERVATIONS)

043319 ATSUGI, JAPAN

PERIOD OF RECORD : 1951-1971

LAT. : 35 27N LONG. : 139 27E ELEV. : 214 F

	NONE	TRACE	.01	<=.05	<=.10	<=.25	<=.50	<=1.0	<=2.5	<=5.0	<=10.0	<=20.0	>20.0	PERCENT OF DAYS WITH AMOUNTS	TOTAL NO. OF OBS	TOTAL PRECIPITATION (INCHES)		
																MEAN	HI	LOW
JAN	69.0	10.3	.6	5.0	1.9	4.7	3.5	3.7	1.1	.0	.0	.0	.0	>=.01	620	1.92	5.33	.06
FEB	61.4	11.8	2.1	4.5	4.3	6.3	4.8	4.1	.7	.0	.0	.0	.0	20.6	560	2.03	5.09	.40
MAR	49.8	15.5	2.2	6.6	4.8	7.4	5.1	5.7	2.9	.2	.0	.0	.0	26.8	651	3.85	6.75	1.77
APR	45.8	12.4	4.6	7.3	4.0	7.3	8.6	5.9	3.8	.3	.0	.0	.0	34.7	629	4.75	8.16	1.58
MAY	48.8	9.8	2.5	6.0	4.1	8.1	7.2	8.0	4.9	.5	.0	.0	.0	41.8	651	5.86	12.33	2.37
JUN	37.6	14.9	2.7	7.9	5.2	9.0	8.6	6.5	6.3	1.0	.2	.0	.0	41.3	630	7.58	15.59	2.44
JUL	38.9	18.4	3.7	9.0	5.5	6.9	5.8	6.3	4.8	.6	.0	.0	.0	47.5	620	5.62	12.01	.99
AUG	49.4	13.2	2.6	6.9	3.5	7.1	5.2	6.9	4.4	.8	.0	.0	.0	42.7	620	5.72	12.60	2.25
SEP	39.0	15.2	3.2	6.8	5.8	7.8	7.8	5.8	6.0	1.3	.2	.0	.0	37.4	600	7.12	14.12	.41
OCT	47.9	10.6	3.2	6.1	4.5	8.4	5.5	9.0	3.7	1.0	.0	.0	.0	44.8	620	5.74	12.37	2.72
NOV	59.0	9.2	3.7	6.2	3.3	7.5	4.7	4.2	2.2	.2	.0	.0	.0	41.5	600	3.11	6.41	.58
DEC	73.4	8.9	.8	4.0	1.9	3.1	2.9	3.4	1.1	.5	.0	.0	.0	31.8	620	2.29	8.70	.29
ANN	51.6	12.6	2.7	6.4	4.1	7.0	5.8	5.8	3.5	.5	.0*	.0	.0	17.7	7421	55.59	68.52	41.18

## NOTES :

.001, .0 OR 0.7 = ZERO PRECIPITATION, SNOWFALL OR SNOW DEPTH MEASURED BUT A TRACE WAS NOTED

\* = PERCENT &lt; .05

ANNUAL HI AND LOW VALUES ARE DERIVED FROM ANNUAL TOTALS.

\*\*\*\*\* = ANNUAL MINIMUM TOTAL PRECIPITATION IS NOT AVAILABLE. MONTHLY MINIMUM TOTALS MAY BE MISLEADING

# 9 - DAILY AMOUNTS

PERCENTAGE FREQUENCY OF  
SNOW FALL

(FROM DAILY OBSERVATIONS)

LAT. : 35 27N LONG. : 139 27E ELEV. : 214 FT

043319 ATSUGI, JAPAN  
PERIOD OF RECORD : 1951-1971

	NONE	TRACE	.1-.4	.5-1.4	<=2.4	<=3.4	<=4.4	<= 6.4	<=10.4	<=15.4	<=25.4	<=50.4	>50.4	>=.1	PERCENT OF DAYS WITH AMOUNTS	TOTAL NO. OF OBS	TOTAL PRECIPITATION (INCHES)		
																	MEAN	HI	LOW
JAN	90.2	7.9	.3	.8	.2	.0	.0	.6	.0	.0	.0	.0	.0	.0	.0	620	1.4	10.9	.0
FEB	84.6	9.8	.7	2.5	.4	.7	.4	.5	.2	.0	.0	.0	.0	.0	.0	560	3.4	13.6	.0
MAR	90.2	7.4	.5	.6	.3	.5	.0	.3	.2	.0	.0	.0	.0	.0	.0	651	2.2	19.9	.0
APR	99.4	.5	.0	.0	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	629	.1	3.0	.0
MAY	99.8	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	651	.0	.0	.0
JUN	100.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	630	.0	.0	.0
JUL	100.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	620	.0	.0	.0
AUG	100.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	620	.0	.0	.0
SEP	100.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	600	.0	.0	.0
OCT	100.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	619	.0	.0	.0
NOV	99.5	.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	600	.0	.0	.0
DEC	98.4	1.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	620	.0	.0	.0
ANN	96.9	2.3	.1	.3	.1	.1	.0*	.1	.0*	.0*	.0	.0	.0	.0	.8	7420	7.1	30.2	.0

NOTES :  
 .00T, .0 OR 0.1 = ZERO PRECIPITATION ,SNOWFALL OR SNOW DEPTH MEASURED BUT A TRACE WAS NOTED  
 \* = PERCENT < .05  
 ANNUAL HI AND LOW VALUES ARE DERIVED FROM ANNUAL TOTALS.  
 \*\*\*\*\* = ANNUAL MINIMUM TOTAL PRECIPITATION IS NOT AVAILABLE. MONTHLY MINIMUM TOTALS MAY BE MISLEADING

## 10 - DAILY AMOUNTS

PERCENTAGE FREQUENCY OF  
SNOW DEPTH

(FROM DAILY OBSERVATIONS)

043319 ATSUGI, JAPAN  
PERIOD OF RECORD : 1951-1971

LAT. : 35 27N LONG. : 139 27E ELEV. : 214 FT

	NONE	TRACE	1	2	3	4-6	7-12	13-24	25-36	37-48	49-60	60-120	> 120	PERCENT OF DAYS WITH AMOUNTS >= 1	TOTAL NO. OF OBS	TOTAL PRECIPITATION (INCHES)		
																MEAN	HI	LOW
JAN	96.8	1.3	.3	.5	.2	.8	.2	.0	.0	.0	.0	.0	.0	>= 1	620		9.	0.
FEB	94.6	1.2	1.6	.7	.4	.9	.5	.0	.0	.0	.0	.0	.0	1.9	560		10.	0.
MAR	97.1	.9	.9	.3	.3	.0	.5	.0	.0	.0	.0	.0	.0	4.1	650		8.	0.
APR	99.8	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.0	628		0.7	0.
MAY	100.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	651		0.	0.
JUN	100.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	630		0.	0.
JUL	100.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	620		0.	0.
AUG	100.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	620		0.	0.
SEP	100.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	600		0.	0.
OCT	100.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	619		0.	0.
NOV	100.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	600		0.	0.
DEC	99.8	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	620		0.	0.
ANN	99.0	.3	.2	.1	.1	.1	.1	.0	.0	.0	.0	.0	.0	.6	7418		10.	0.7

## NOTES :

.00T, .0 OR 0.7 = ZERO PRECIPITATION, \*SNOWFALL OR SNOW DEPTH MEASURED BUT A TRACE WAS NOTED

\* = PERCENT &lt; .05

ANNUAL HI AND LOW VALUES ARE DERIVED FROM ANNUAL TOTALS.

\*\*\*\*\* = ANNUAL MINIMUM TOTAL PRECIPITATION IS NOT AVAILABLE. MONTHLY MINIMUM TOTALS MAY BE MISLEADING

043319 ATSUGI, JAPAN

LAT. : 35 27N LONG. : 139 27E ELEV. : 214 FT  
PERIOD OF RECORD : 1951-1971

MONTH : JAN

DAY	PRECIPITATION		SNOWFALL		SNOW DEPTH	
	INCHES	MM	INCHES	MM	INCHES	MM
1	1.01	26	5.30	135	5.	127
2	.13	3	.00	0	2.	51
3	.52	13	.20	5	T	T
4	1.12	28	.80	20	0.	0
5	.54	14	1.00	25	0.	0
6	.78	20	.70	18	0.	0
7	.33	8	.20	5	T	T
8	.12	3	T	T	0.	0
9	.21	5	T	T	0.	0
10	.34	9	.00	0	0.	0
11	.66	17	T	T	T	T
12	.32	8	T	T	0.	0
13	.50	13	.00	0	0.	0
14	.62	16	.00	0	0.	0
15	.32	8	T	T	0.	0
16	1.01	26	.00	0	0.	0
17	1.62	41	.00	0	0.	0
18	.20	5	T	T	0.	0
19	.49	12	T	T	0.	0
20	.16	4	T	T	0.	0
21	.93	24	.00	0	0.	0
22	.71	18	T	T	T	T
23	.62	16	6.00	152	5.	127
24	.58	15	5.80	147	9.	229
25	.39	10	.60	15	6.	152
26	.62	16	T	T	4.	102
27	.19	5	T	T	2.	51
28	.91	23	T	T	1.	25
29	.63	16	T	T	1.	25
30	1.11	28	1.60	41	T	T
31	1.60	41	T	T	0.	0
MONTH	1.62	41	6.00	152	9.	229

## NOTES :

T = TRACE AMOUNTS (&lt;.01, OR &lt;.5, OR &lt; 1.0 INCHES)

+ = VALUE OCCURRED IN PREVIOUS YEAR(S).

THIS SYMBOL OMITTED FOR SNOWFALL AND SNOW DEPTH AMOUNTS = 0.0

043319 ATSUGI, JAPAN

LAT. : 35 27N LONG. : 139 27E ELEV. : 214 FT  
PERIOD OF RECORD : 1951-1971

MONTH : FEB

DAY	PRECIPITATION		SNOWFALL		SNOW DEPTH	
	INCHES	MM	INCHES	MM	INCHES	MM
1	.39	10	.50	13	0.	0
2	1.42	36	T	T	0.	0
3	1.72	44	.60	15	0.	0
4	.14	4	T	T	0.	0
5	.84	21	.00	0	0.	0
6	.38	10	1.00	25	1.	25
7	.86	22	4.80	122	T	T
8	.56	14	.10	3	5.	127
9	.66	17	.20	5	1.	25
10	.29	7	.70	18	T	T
11	.31	8	5.10	130	5.	127
12	.46	12	4.10	104	7.	178
13	.33	8	.90	23	4.	102
14	.59	15	5.00	127	2.	51
15	1.00	25	10.50	267	10.	254
16	.74	20	2.90	74	7.	178
17	.33	8	T	T	3.	76
18	.76	19	2.50	64	3.	76
19	.53	13	1.00	25	1.	25
20	.99	25	T	T	2.	51
21	.83	21	8.30	211	0.	0
22	.55	14	.30	8	4.	102
23	.52	13	T	T	0.	0
24	.21	5	1.30	33	1.	25
25	.33	8	1.40	36	0.	0
26	.41	10	.50	13	T	T
27	1.90	48	4.30	109	4.	102
28	1.13	29	2.60	66	2.	51
29						
30						
31						
MONTH	1.90	48	10.50	267	10.	254

## NOTES :

T = TRACE AMOUNTS (&lt;.01, OR &lt;.5, OR &lt; 1.0 INCHES)

+ = VALUE OCCURRED IN PREVIOUS YEAR(S).

THIS SYMBOL OMITTED FOR SNOWFALL AND SNOW DEPTH AMOUNTS = 0.0

043319 ATSUGI, JAPAN

LAT. : 35 27N LONG. : 139 27E ELEV. : 214 FT  
PERIOD OF RECORD : 1951-1971

MONTH : MAR

DAY	PRECIPITATION		SNOWFALL		SNOW DEPTH	
	INCHES	MM	INCHES	MM	INCHES	MM
1	.91	23	T	T	0.	0
2	.46	12	T	T	0.	0
3	1.24	31	1.80	46	0.	0
4	.82	21	8.30	211	0.	0
5	.53	13	.60	15	8.	203
6	.69	18	.10	3	2.	51
7	1.35	34	3.00	76	T	T
8	1.00	25	5.00	127	3.	76
9	.48	12	T	T	7.	178
10	1.01	26	T	T	0.	0
11	1.16	29	T	T	0.	0
12	1.43	36	11.60	295	0.	0
13	.40	10	3.00	76	7.	178
14	1.06	27	T	T	3.	76
15	.45	11	.00	0	T	T
16	1.30	33	T	T	0.	0
17	1.80	46	.90	23	T	T
18	.62	16	.00	0	0.	0
19	2.39	61	T	T	0.	0
20	1.09	28	T	T	0.	0
21	.39	10	T	T	0.	0
22	.83	21	.00	0	0.	0
23	.66	17	T	T	0.	0
24	.81	21	T	T	0.	0
25	1.27	32	.00	0	0.	0
26	1.02	26	1.00	25	0.	0
27	.45	11	T	T	1.	25
28	1.82	46	T	T	T	T
29	.82	21	.50	13	0.	0
30	2.93	74	T	T	1.	25
31	1.02	26	.00	0	0.	0
MONTH	2.93	74	11.60	295	8.	203

NOTES :  
T = TRACE AMOUNTS (<.01, OR <.5, OR < 1.0 INCHES)  
+ = VALUE OCCURRED IN PREVIOUS YEAR(S).

THIS SYMBOL OMITTED FOR SNOWFALL AND SNOW DEPTH AMOUNTS = 0.0

043319 AITSUCI, JAPAN

LAT. : 35 27N LONG. : 139 27E ELEV. : 214 FT  
PERIOD OF RECORD : 1951-1971

MONTH : APR

DAY	PRECIPITATION		SNOWFALL		SNOW DEPTH	
	INCHES	MM	INCHES	MM	INCHES	MM
1	1.17	30	T	T	T	T
2	.50	13	T	T	0.	0
3	1.49	38	.00	0	0.	0
4	.69	18	.00	0	0.	0
5	.58	15	.00	0	0.	0
6	1.38	35	.00	0	0.	0
7	1.46	37	.00	0	0.	0
8	.99	25	.00	0	0.	0
9	1.45	37	.00	0	0.	0
10	1.07	27	.00	0	0.	0
11	1.16	29	.00	0	0.	0
12	2.67	68	.00	0	0.	0
13	.88	22	.00	0	0.	0
14	.92	23	.00	0	0.	0
15	2.39	61	.00	0	0.	0
16	.64	16	.00	0	0.	0
17	1.63	41	3.00	76	0.	0
18	1.78	45	.00	0	0.	0
19	.33	8	.00	0	0.	0
20	1.78	45	.00	0	0.	0
21	.59	15	.00	0	0.	0
22	.96	24	.00	0	0.	0
23	2.82	72	.00	0	0.	0
24	.48	12	.00	0	0.	0
25	1.18	30	.00	0	0.	0
26	.84	21	.00	0	0.	0
27	1.99	51	.00	0	0.	0
28	.55	14	.00	0	0.	0
29	1.83	46	.00	0	0.	0
30	1.42	36	.00	0	0.	0
31						
MONTH	2.82	72	3.00	76	T	T

## NOTES :

T = TRACE AMOUNTS (&lt;.01, OR &lt;.5, OR &lt; 1.0 INCHES)

+ = VALUE OCCURRED IN PREVIOUS YEAR(S).

THIS SYMBOL OPTITED FOR SNOWFALL AND SNOW DEPTH AMOUNTS = 0.0

043319 AITSUGI, JAPAN

 LAT. : 35 27N LONG. : 139 27E ELEV. : 214 FT  
 PERIOD OF RECORD : 1951-1971

MONTH : MAY

DAY	PRECIPITATION		SNOWFALL		SNOW DEPTH	
	INCHES	MM	INCHES	MM	INCHES	MM
1	.93	24	.00	0	0.	0
2	1.93	49	.00	0	0.	0
3	2.33	59	.00	0	0.	0
4	1.27	32	.00	0	0.	0
5	.92	23	.00	0	0.	0
6	1.59	40	.00	0	0.	0
7	1.34	34	.00	0	0.	0
8	2.02	51	.00	0	0.	0
9	1.23	31	.00	0	0.	0
10	1.11	28	.00	0	0.	0
11	1.03	26	.00	0	0.	0
12	.96	24	.00	0	0.	0
13	.80	20	.00	0	0.	0
14	1.11	28	.00	0	0.	0
15	1.20	30	T	1955	0.	0
16	1.44	37	.00	0	0.	0
17	1.26	32	.00	0	0.	0
18	.95	24	.00	0	0.	0
19	1.80	46	.00	0	0.	0
20	3.33	85	.00	0	0.	0
21	.43	11	.00	0	0.	0
22	1.82	46	.00	0	0.	0
23	1.32	34	.00	0	0.	0
24	2.84	72	.00	0	0.	0
25	1.32	34	.00	0	0.	0
26	.72	18	.00	0	0.	0
27	2.81	71	.00	0	0.	0
28	.91	23	.00	0	0.	0
29	2.32	59	.00	0	0.	0
30	1.22	31	.00	0	0.	0
31	.38	10	.00	0	0.	0
MONTH	3.33	85	T	1955	0.	0

NOTES :

 T = TRACE AMOUNTS (<.01, OR <.5, OR < 1.0 INCHES)  
 + = VALUE OCCURRED IN PREVIOUS YEAR(S).

THIS SYMBOL OMITTED FOR SNOWFALL AND SNOW DEPTH AMOUNTS = 0.0



## 21 - DAILY EXTREME AMOUNTS

043319 AITSUGI, JAPAN

LAT. : 35 27N LONG. : 139 27E ELEV. : 214 FT  
PERIOD OF RECORD : 1951-1971

MONTH : JUN

DAY	PRECIPITATION		SNOWFALL		SNOW DEPTH	
	INCHES	MM	INCHES	MM	INCHES	MM
1	1.49	38	.00	0	0.	0
2	1.58	40	.00	0	0.	0
3	1.73	44	.00	0	0.	0
4	1.44	37	.00	0	0.	0
5	3.21	82	.00	0	0.	0
6	1.54	39	.00	0	0.	0
7	1.53	39	.00	0	0.	0
8	1.05	27	.00	0	0.	0
9	1.70	43	.00	0	0.	0
10	2.35	60	.00	0	0.	0
11	2.08	53	.00	0	0.	0
12	.72	18	.00	0	0.	0
13	.84	21	.00	0	0.	0
14	1.34	34	.00	0	0.	0
15	4.23	107	.00	0	0.	0
16	2.68	68	.00	0	0.	0
17	.52	13	.00	0	0.	0
18	1.21	31	.00	0	0.	0
19	1.11	28	.00	0	0.	0
20	.73	19	.00	0	0.	0
21	1.15	29	.00	0	0.	0
22	1.33	34	.00	0	0.	0
23	2.50	64	.00	0	0.	0
24	3.42	87	.00	0	0.	0
25	1.81	46	.00	0	0.	0
26	1.85	47	.00	0	0.	0
27	4.12	105	.00	0	0.	0
28	8.80	224	.00	0	0.	0
29	1.98	50	.00	0	0.	0
30	.90	23	.00	0	0.	0
31						
MONTH	8.80	224	.00	0	0.	0

## NOTES :

T = TRACE AMOUNTS (&lt;.01, OR &lt;.5, OR &lt; 1.0 INCHES)

+ = VALUE OCCURRED IN PREVIOUS YEAR(S).

THIS SYMBOL OMITTED FOR SNOWFALL AND SNOW DEPTH AMOUNTS = 0.0

## 21 - DAILY EXTREME AMOUNTS

043319 ATSUGI, JAPAN

LAT. : 35 27N LONG. : 139 27E ELEV. : 214 FT  
PERIOD OF RECORD : 1951-1971

MONTH : JUL

DAY	PRECIPITATION		SNOWFALL		SNOW DEPTH	
	INCHES	MM	INCHES	MM	INCHES	MM
1	2.99	76	.00	0	0.	0
2	1.93	49	.00	0	0.	0
3	1.21	31	.00	0	0.	0
4	.84	21	.00	0	0.	0
5	2.23	57	.00	0	0.	0
6	3.21	82	.00	0	0.	0
7	.84	21	.00	0	0.	0
8	1.33	34	.00	0	0.	0
9	1.23	31	.00	0	0.	0
10	1.22	31	.00	0	0.	0
11	1.92	49	.00	0	0.	0
12	1.36	35	.00	0	0.	0
13	1.05	27	.00	0	0.	0
14	2.60	66	.00	0	0.	0
15	1.48	38	.00	0	0.	0
16	.87	22	.00	0	0.	0
17	1.25	32	.00	0	0.	0
18	1.59	40	.00	0	0.	0
19	2.40	61	.00	0	0.	0
20	1.77	45	.00	0	0.	0
21	1.38	35	.00	0	0.	0
22	.97	25	.00	0	0.	0
23	3.84	98	.00	0	0.	0
24	.49	12	.00	0	0.	0
25	.33	8	.00	0	0.	0
26	1.55	39	.00	0	0.	0
27	.43	11	.00	0	0.	0
28	2.09	53	.00	0	0.	0
29	2.01	51	.00	0	0.	0
30	.35	9	.00	0	0.	0
31	.83	21	.00	0	0.	0
MONTH	3.24	98	.00	0	0.	0

## NOTES :

T = TRACE AMOUNTS (&lt;.01, OR &lt;.5, OR &lt; 1.0 INCHES)

+ = VALUE OCCURRED IN PREVIOUS YEAR(S).

THIS SYMBOL OMITTED FOR SNOWFALL AND SNOW DEPTH AMOUNTS = 0.0

## 21 - DAILY EXTREME AMOUNTS

043319 ATSUGI, JAPAN

LAT. : 35 27N LONG. : 139 27E ELEV. : 214 FT  
PERIOD OF RECORD : 1951-1971

MO..TH : AUG

DAY	PRECIPITATION		SNOWFALL		SNOW DEPTH	
	INCHES	MM DATE	INCHES	MM DATE	INCHES	MM DATE
1	1.63	41 1969	.00	0 1970	0.	0 1970
2	.87	22 1960	.00	0 1970	0.	0 1970
3	.31	8 1969	.00	0 1970	0.	0 1970
4	.72	18 1969	.00	0 1970	0.	0 1970
5	.85	22 1958	.00	0 1970	0.	0 1970
6	.51	13 1958	.00	0 1970	0.	0 1970
7	1.59	40 1955	.00	0 1970	0.	0 1970
8	.67	17 1955	.00	0 1970	0.	0 1970
9	1.47	37 1959	.00	0 1970	0.	0 1970
10	.50	13 1968	.00	0 1970	0.	0 1970
11	.85	22 1968	.00	0 1970	0.	0 1970
12	2.41	61 1959	.00	0 1970	0.	0 1970
13	.88	22 1960	.00	0 1970	0.	0 1970
14	1.26	32 1960+	.00	0 1970	0.	0 1970
15	1.68	43 1956	.00	0 1970	0.	0 1970
16	.32	8 1966	.00	0 1970	0.	0 1970
17	.26	7 1956	.00	0 1970	0.	0 1970
18	.21	5 1954	.00	0 1970	0.	0 1970
19	1.10	28 1966+	.00	0 1970	0.	0 1970
20	3.19	81 1964	.00	0 1970	0.	0 1970
21	4.05	103 1965	.00	0 1970	0.	0 1970
22	2.04	52 1951	.00	0 1970	0.	0 1970
23	1.96	50 1951	.00	0 1970	0.	0 1970
24	1.04	26 1958	.00	0 1970	0.	0 1970
25	2.06	52 1958	.00	0 1970	0.	0 1970
26	3.00	76 1968	.00	0 1970	0.	0 1970
27	.96	24 1968	.00	0 1970	0.	0 1970
28	1.96	50 1963	.00	0 1970	0.	0 1970
29	3.70	94 1963	.00	0 1970	0.	0 1970
30	.57	14 1956	.00	0 1970	0.	0 1970
31	4.21	107 1955	.00	0 1970	0.	0 1970
MONTH	4.21	107 1955	.00	0 1970	0.	0 1970

## NOTES :

T = TRACE AMOUNTS (&lt;.01, OR &lt;.5, OR &lt; 1.0 INCHES)

+ = VALUE OCCURRED IN PREVIOUS YEAR(S).

THIS SYMBOL OMITTED FOR SNOWFALL AND SNOW DEPTH AMOUNTS = 0.0

## 21 - DAILY EXTREME AMOUNTS

043319 ATSUGI, JAPAN

LAT. : 35 27N LONG. : 139 27E ELEV. : 214 FT  
PERIOD OF RECORD : 1951-1971

MONTH : SEP

DAY	PRECIPITATION		SNOWFALL		SNOW DEPTH	
	INCHES	MM	INCHES	MM	INCHES	MM
1	3.33	85	.00	0	0.	0
2	1.58	40	.00	0	0.	0
3	.33	8	.00	0	0.	0
4	2.09	53	.00	0	0.	0
5	.74	19	.00	0	0.	0
6	.84	21	.00	0	0.	0
7	2.43	62	.00	0	0.	0
8	.37	9	.00	0	0.	0
9	1.37	35	.00	0	0.	0
10	1.38	35	.00	0	0.	0
11	1.13	29	.00	0	0.	0
12	1.32	34	.00	0	0.	0
13	2.55	65	.00	0	0.	0
14	.88	22	.00	0	0.	0
15	2.81	71	.00	0	0.	0
16	.62	16	.00	0	0.	0
17	3.63	92	.00	0	0.	0
18	3.06	78	.00	0	0.	0
19	1.24	31	.00	0	0.	0
20	.67	17	.00	0	0.	0
21	.83	21	.00	0	0.	0
22	.44	11	.00	0	0.	0
23	.56	14	.00	0	0.	0
24	3.10	79	.00	0	0.	0
25	1.95	50	.00	0	0.	0
26	7.25	184	.00	0	0.	0
27	1.63	41	.00	0	0.	0
28	1.47	37	.00	0	0.	0
29	.83	21	.00	0	0.	0
30	1.17	30	.00	0	0.	0
31						
MONTH	7.25	184	.00	0	0.	0

## NOTES :

T = TRACE AMOUNTS (<.01, OR <.5, OR < 1.0 INCHES)  
 \* = VALUE OCCURRED IN PREVIOUS YEAR(S).

THIS SYMBOL OMITTED FOR SNOWFALL AND SNOW DEPTH AMOUNTS = 0.0

## 21 - DAILY EXTREME AMOUNTS

043319 ATSUGI, JAPAN

LAT. : 35 27N LONG. : 139 27E ELEV. : 214 FT  
PERIOD OF RECORD : 1951-1971

MONTH : OCT

DAY	PRECIPITATION		SNOWFALL		SNOW DEPTH	
	INCHES	MM	INCHES	MM	INCHES	MM
1	1.18	30	.00	0	0.	0
2	2.81	71	.00	0	0.	0
3	.70	18	.00	0	0.	0
4	.69	18	.00	0	0.	0
5	1.07	27	.00	0	0.	0
6	3.13	80	.00	0	0.	0
7	2.65	67	.00	0	0.	0
8	1.44	37	.00	0	0.	0
9	.98	25	.00	0	0.	0
10	2.82	72	.00	0	0.	0
11	2.14	54	.00	0	0.	0
12	.67	17	.00	0	0.	0
13	1.07	27	.00	0	0.	0
14	1.50	38	.00	0	0.	0
15	.70	18	.00	0	0.	0
16	1.07	27	.00	0	0.	0
17	.77	20	.00	0	0.	0
18	1.75	44	.00	0	0.	0
19	1.45	37	.00	0	0.	0
20	.92	23	.00	0	0.	0
21	.73	19	.00	0	0.	0
22	.37	9	.00	0	0.	0
23	1.26	32	.00	0	0.	0
24	.80	20	.00	0	0.	0
25	2.81	71	.00	0	0.	0
26	2.13	54	.00	0	0.	0
27	1.30	33	.00	0	0.	0
28	.96	24	.00	0	0.	0
29	1.44	37	.00	0	0.	0
30	.31	8	.00	0	0.	0
31	4.07	103	.00	0	0.	0
MONTH	4.07	103	.00	0	0.	0

## NOTES :

T = TRACE AMOUNTS (<.01, OR <.5, OR < 1.0 INCHES)  
+ = VALUE OCCURRED IN PREVIOUS YEAR(S).

THIS SYMBOL OMITTED FOR SNOWFALL AND SNOW DEPTH AMOUNTS = 0.0

## 21 - DAILY EXTREME AMOUNTS

043319 ATSUGI, JAPAN

LAT. : 35 27N LONG. : 139 27E ELEV. : 214 FT  
PERIOD OF RECORD : 1951-1971

MONTH : NOV

DAY	PRECIPITATION		SNOWFALL		SNOW DEPTH	
	INCHES	MM DATE	INCHES	MM DATE	INCHES	MM DATE
1	.11	3 1952	.00	0 1970	0.	0 1970
2	.91	23 1951	.00	0 1970	0.	0 1970
3	2.69	68 1962	.00	0 1970	0.	0 1970
4	1.83	46 1959	.00	0 1970	0.	0 1970
5	1.58	40 1952	.00	0 1970	0.	0 1970
6	.85	22 1956	.00	0 1970	0.	0 1970
7	.50	13 1963	.00	0 1970	0.	0 1970
8	.19	5 1969	.00	0 1970	0.	0 1970
9	1.64	42 1965	.00	0 1970	0.	0 1970
10	.42	11 1964	.00	0 1970	0.	0 1970
11	.38	10 1957	.00	0 1970	0.	0 1970
12	.77	20 1964	.00	0 1970	0.	0 1970
13	.62	16 1960	.00	0 1970	0.	0 1970
14	.44	11 1958	.00	0 1970	0.	0 1970
15	.65	17 1969	.00	0 1970	0.	0 1970
16	1.92	49 1969	.00	0 1970	0.	0 1970
17	.97	25 1969	.00	0 1970	0.	0 1970
18	.48	12 1961	.00	0 1970	0.	0 1970
19	1.56	40 1970	.00	0 1970	0.	0 1970
20	1.54	39 1970	.00	0 1970	0.	0 1970
21	1.71	43 1955	.00	0 1970	0.	0 1970
22	1.30	35 1961	T	1962	0.	0 1970
23	.17	4 1965	T	1962	0.	0 1970
24	.68	17 1951	T	1956	0.	0 1970
25	2.06	52 1965	.00	0 1970	0.	0 1970
26	.57	14 1962	.00	0 1970	0.	0 1970
27	.25	6 1962	.00	0 1970	0.	0 1970
28	1.86	47 1954	.00	0 1970	0.	0 1970
29	.05	1 1952	.00	0 1970	0.	0 1970
30	.95	24 1958	.00	0 1970	0.	0 1970
31						
MONTH	2.69	68 1962	T	T 1962	0.	0 1970

NOTES :  
 T = TRACE AMOUNTS (<.01, OR <.5, OR < 1.0 INCHES)  
 + = VALUE OCCURRED IN PREVIOUS YEAR(S).

THIS SYMBOL OMITTED FOR SNOWFALL AND SNOW DEPTH AMOUNTS = 0.0

## 21 - DAILY EXTREME AMOUNTS

043319 ATSUGI, JAPAN

LAT. : 35 27N LONG. : 139 27E ELEV. : 214 FT  
PERIOD OF RECORD : 1951-1971

MONTH : DEC

DAY	PRECIPITATION		SNOWFALL		SNOW DEPTH	
	INCHES	MM	INCHES	MM	INCHES	MM
1	.73	19	.00	0	0.	0
2	.20	5	.00	0	0.	0
3	3.25	83	.00	0	0.	0
4	.67	17	.00	0	0.	0
5	3.00	76	.00	0	0.	0
6	.24	6	.00	0	0.	0
7	.87	22	.00	0	0.	0
8	.54	14	.00	0	0.	0
9	1.30	33	T	1952	0.	0
10	2.15	55	T	1952	0.	0
11	.36	9	.00	0	0.	0
12	1.55	39	.00	0	0.	0
13	1.78	45	.00	0	0.	0
14	.63	16	.00	0	0.	0
15	.84	21	.00	0	0.	0
16	.30	8	.00	0	0.	0
17	.51	13	T	1959	0.	0
18	.28	7	.00	0	0.	0
19	.68	17	T	1967	0.	0
20	.56	14	.00	0	0.	0
21	1.22	31	.00	0	0.	0
22	.39	10	.00	0	0.	0
23	.68	17	.00	0	0.	0
24	.55	14	.00	0	0.	0
25	.72	18	T	1970	0.	0
26	1.40	36	T	1952	0.	0
27	.08	2	.00	0	0.	0
28	.40	10	T	1965	T	1960
29	.43	11	T	1959	0.	0
30	2.93	74	.00	0	0.	0
31	.83	21	T	1953	0.	0
MONTH	3.25	83	T	1970	T	1960

## NOTES :

T = TRACE AMOUNTS (&lt;.01, OR &lt;.5, OR &lt; 1.0 INCHES)

+ = VALUE OCCURRED IN PREVIOUS YEAR(S).

THIS SYMBOL OMITTED FOR SNOWFALL AND SNOW DEPTH AMOUNTS = 0.0

PRECIPITATION (INCHES)  
(FROM DAILY OBS)043319 ATSUGI, JAPAN  
PERIOD OF RECORD : 1951-1971LAT. : 35 27N LONG. : 139 27E ELEV. : 214 FT  
PAGE : 1

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
1951	MISS	MISS	1.82	1.49	2.02	2.68	1.74	2.04	2.21	1.50	.91	.71	PART
1952	.78	.58	2.39	1.45	1.05	3.42	2.60	.82	3.33	1.07	1.58	.30	3.42
1953	.48	.83	.77	PART	2.84	2.09	2.40	.95	3.10	1.12	.19	.67	PART
1954	.58	.59	.82	2.67	2.02	2.06	.84	1.10	3.63	.61	1.86	1.30	3.63
1955	.62	1.13	1.09	.48	2.32	1.11	1.12	4.21	1.58	2.14	1.71	1.22	4.21
1956	1.12	.46	2.04	1.71	1.93	1.44	1.51	1.68	2.21	4.07	.85	.27	4.07
1957	.17	1.72	1.00	1.09	3.33	4.12	1.55	1.13	2.43	3.13	.48	1.78	4.12
1958	.60	1.42	.62	.47	.42	.99	3.84	2.06	7.25	1.75	.95	1.40	7.25
1959	1.01	.99	1.01	2.82	1.32	.86	.70	2.41	4.25	2.65	1.83	3.25	4.25
1960	1.01	.18	1.16	1.78	1.47	1.33	2.16	1.76	.89	1.27	.81	.72	2.16
1961	.39	.38	1.26	2.39	.61	4.88	.64	.87	2.81	1.46	1.39	.73	4.88
1962	.34	.22	.40	1.75	1.20	2.08	2.09	.80	.30	1.33	2.69	2.93	2.93
1963	.03	.56	1.07	.53	.91	3.21	1.92	3.70	1.86	2.82	1.64	.68	3.70
1964	1.62	.66	1.35	1.07	1.46	1.49	.49	3.19	1.47	.92	.77	.55	3.19
1965	.74	.26	1.80	.92	2.81	2.49	.91	4.05	2.79	.73	2.06	.68	4.05
1966	.62	1.90	.85	1.03	1.82	8.80	1.93	1.10	1.93	1.52	.32	.28	8.80
1967	.90	.31	.83	1.47	1.11	1.07	.74	.86	1.29	1.34	.81	.64	1.47
1968	.50	1.00	1.69	.90	1.80	2.35	3.21	3.00	.80	1.26	.67	3.00	3.21
1969	1.02	.84	2.93	1.63	1.32	1.85	2.23	1.63	2.09	2.81	1.92	.87	2.93
1970	1.60	.63	1.30	1.16	2.06	4.23	2.99	1.35	1.24	.77	1.56	1.12	4.23
1971	.93	.64	1.24	1.83	.96	1.54	MISS	MISS	MISS	MISS	MISS	MISS	MISS

MEAN

S.D.

TOT OBS

NOTE :

T = TRACE AMOUNTS (LESS THAN .01, .1, OR 1.0 INCHES)

MEAN	.75	.76	1.31	1.43	1.66	2.58	1.78	1.94	2.37	1.71	1.25	1.15	4.03
S.D.	.414	.480	.615	.671	.754	1.825	.938	1.126	1.525	.928	.664	.908	1.688
TOT OBS	20	20	21	20	21	21	20	20	20	20	20	20	18



LAT. : 35 27N LONG. : 139 27E ELEV. : 214 FT  
PAGE : 1

V. : 214 F1  
PAGE : 1

PRECIPITATION (INCHES)  
(FROM DAILY OBS)

YEAR/MONTHS WITH < FULL NUMBER OF OBSERVATIONS

[illegible]

SNOWFALL (INCHES)  
(FROM DAILY OBS)

043319 AITSUGI, JAPAN  
PERIOD OF RECORD : 1951-1971  
LAT. : 35 27N LONG. : 139 27E ELEV. : 214 FT  
PAGE : 1

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
1951	MISS	MISS	T	.0	.0	.0	.0	.0	.0	.0	.0	.0	T
1952	T	4.8	5.0	.0	.0	.0	.0	.0	.0	.0	.0	T	5.0
1953	.2	8.3	.9	PART	.0	.0	.0	.0	.0	.0	.0	T	PART
1954	5.8	5.0	5.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	5.8
1955	T	T	.6	.0	T	.0	.0	.0	.0	.0	.0	.0	.6
1956	6.0	2.0	T	T	.0	.0	.0	.0	.0	PART	T	.0	PART
1957	T	.6	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.6
1958	T	.7	.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.7
1959	5.3	1.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	T	5.3
1960	.0	T	.0	.0	.0	.0	.0	.0	.0	.0	.0	T	MISS
1961	T	T	1.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.0
1962	T	T	T	.0	.0	.0	.0	.0	.0	.0	T	.0	MISS
1963	T	T	3.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.0
1964	T	2.5	3.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.0
1965	1.6	1.0	1.8	.0	.0	.0	.0	.0	.0	.0	.0	T	1.8
1966	T	T	T	.0	.0	.0	.0	.0	.0	.0	.0	.0	MISS
1967	T	5.1	T	T	.0	.0	.0	.0	.0	.0	.0	T	5.1
1968	T	10.5	T	.0	.0	.0	.0	.0	.0	.0	.0	.0	10.5
1969	T	4.3	11.6	3.0	.0	.0	.0	.0	.0	.0	.0	.0	11.6
1970	T	2.6	1.8	.0	.0	.0	.0	.0	.0	.0	.0	T	2.6
1971	1.0	.9	T	.0	.0	.0	MISS	MISS	MISS	MISS	MISS	MISS	MISS

MEAN 1.0 2.5 1.6 .1 .0 .0 .0 .0 .0 .0 .0 .0 .0 3.3  
S.D. 2.071 2.991 2.798 .671 .000 .000 .000 .000 .000 .000 .000 .000 .000 3.529  
TOT OBS 20 20 21 20 21 21 21 20 20 20 19 20 20 17

NOTE : T = TRACE AMOUNTS (LESS THAN .01, .1, OR 1.0 INCHES)

SNOWFALL (INCHES)  
(FROM DAILY OBS)

LAT. : 35 27N LONG. : 139 27E ELEV. : 214 FT  
PAGE : 1

043319 AITSUGI, JAPAN  
PERIOD OF RECORD : 1951-1971

YEAR/MONTHS WITH < FULL NUMBER OF OBSERVATIONS

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL SNOWFALL # DAYS
1953				.0 29									
1956										.0 30			SNOWFALL # DAYS

SNOW DEPTH (INCHES)  
(FROM DAILY OBS)043319 ATSUGI, JAPAN  
PERIOD OF RECORD : 1951-1971LAT. : 35 27N LONG. : 139 27E ELEV. : 214 FT  
PAGE : 1

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
1952	0.	5.	7.	0.	0.	0.	0.	0.	0.	0.	0.	0.	7.
1953	T	4.	T	PART	0.	0.	0.	0.	0.	0.	0.	0.	PART
1954	9.	2.	T	0.	0.	0.	0.	0.	0.	0.	0.	0.	PART
1955	0.	0.	1.	0.	0.	0.	0.	0.	0.	0.	0.	0.	1.
1956	5.	1.	0.	T	0.	0.	0.	0.	0.	PART	0.	0.	PART
1957	MISS	MISS	MISS	MISS	MISS	MISS	MISS	MISS	MISS	MISS	MISS	MISS	MISS
1958	T	T	1.	0.	0.	0.	0.	0.	0.	0.	0.	0.	1.
1959	5.	1.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	5.
1960	0.	T	0.	0.	0.	0.	0.	0.	0.	0.	0.	T	MISS
1961	T	3.	1.	0.	0.	0.	0.	0.	0.	0.	0.	0.	1.
1962	MISS	MISS	MISS	MISS	MISS	MISS	MISS	MISS	MISS	MISS	MISS	MISS	MISS
1963	0.	0.	3.	0.	0.	0.	0.	0.	0.	0.	0.	0.	3.
1964	0.	3.	1.	0.	0.	0.	0.	0.	0.	0.	0.	0.	3.
1965	T	1.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	1.
1966	MISS	MISS	MISS	MISS	MISS	MISS	MISS	MISS	MISS	MISS	MISS	MISS	MISS
1967	0.	7.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	7.
1968	0.	10.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	10.
1969	0.	4.	8.	0.	0.	0.	0.	0.	0.	0.	0.	0.	8.
1970	0.	2.	1.	0.	0.	0.	0.	0.	0.	0.	0.	0.	2.
1971	T	0.	0.	0.	0.	0.	MISS	MISS	MISS	MISS	MISS	MISS	MISS

MEAN

S.D.

TOT OBS

NOTE :

1.1	2.4	1.4	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	3.8
2.619	2.871	2.502	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	3.270
17	17	16	16	17	17	16	16	16	16	15	16	16	13

T = TRACE AMOUNTS (LESS THAN .01, .1, OR 1.0 INCHES)

SNOA DEPTH (INCHES)  
(FROM DAILY OBS)043319 ATSUGI, JAPAN  
PERIOD OF RECORD : 1951-1971LAT. : 35 27N LONG. : 139 27E ELEV. : 214 FT  
PAGE : 1

## YEAR/MONTHS WITH &lt; FULL NUMBER OF OBSERVATIONS

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL SNO DEPTH # DAYS
1953				0. 29									
1954			T 30										SNO DEPTH # DAYS
1956										0. 30			SNO DEPTH # DAYS

DAILY PEAK GUST (KNOTS)  
(FROM DAILY OBS)043319 ATSUGI, JAPAN  
PERIOD OF RECORD : 1951-1971LAT. : 35 27N LONG. : 139 27E ELEV. : 214 FT  
PAGE : 1

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
1951	MISS	MISS	MISS	MISS	MISS	MISS	MISS	MISS	MISS	MISS	MISS	MISS	MISS
1952	PART	MISS	MISS	MISS	MISS	MISS	MISS	MISS	MISS	MISS	MISS	MISS	MISS
1953	MISS	MISS	MISS	MISS	MISS	MISS	MISS	MISS	MISS	MISS	MISS	MISS	MISS
1954	MISS	MISS	MISS	MISS	MISS	MISS	MISS	MISS	MISS	MISS	MISS	MISS	MISS
1955	MISS	MISS	MISS	MISS	MISS	MISS	MISS	MISS	MISS	MISS	MISS	MISS	MISS
1956	MISS	MISS	MISS	MISS	MISS	MISS	MISS	MISS	MISS	MISS	MISS	MISS	MISS
1957	MISS	MISS	MISS	MISS	MISS	MISS	MISS	MISS	MISS	MISS	MISS	MISS	MISS
1958	MISS	MISS	MISS	MISS	MISS	MISS	MISS	MISS	MISS	MISS	MISS	MISS	MISS
1959	MISS	MISS	MISS	MISS	MISS	MISS	MISS	MISS	MISS	MISS	MISS	MISS	MISS
1960	MISS	MISS	MISS	MISS	MISS	MISS	MISS	MISS	MISS	MISS	MISS	MISS	MISS
1961	MISS	MISS	MISS	MISS	MISS	MISS	MISS	MISS	MISS	MISS	MISS	MISS	MISS
1962	MISS	MISS	MISS	MISS	MISS	MISS	MISS	MISS	MISS	MISS	MISS	MISS	MISS
1963	MISS	MISS	MISS	MISS	MISS	MISS	MISS	MISS	MISS	MISS	MISS	MISS	MISS
1964	MISS	MISS	MISS	MISS	MISS	MISS	MISS	MISS	MISS	MISS	MISS	MISS	MISS
1965	MISS	MISS	MISS	MISS	MISS	MISS	MISS	MISS	MISS	MISS	MISS	MISS	MISS
1966	MISS	MISS	MISS	MISS	MISS	MISS	MISS	MISS	MISS	MISS	MISS	MISS	MISS
1967	MISS	MISS	MISS	MISS	MISS	MISS	MISS	MISS	MISS	MISS	MISS	MISS	MISS
1968	MISS	MISS	MISS	MISS	MISS	MISS	MISS	MISS	MISS	MISS	MISS	MISS	MISS
1969	MISS	MISS	MISS	MISS	MISS	MISS	MISS	MISS	MISS	MISS	MISS	MISS	MISS
1970	MISS	MISS	MISS	MISS	MISS	MISS	MISS	MISS	MISS	MISS	MISS	MISS	MISS
1971	MISS	MISS	MISS	MISS	MISS	MISS	MISS	MISS	MISS	MISS	MISS	MISS	MISS
MEAN	36.2	34.4	39.0	41.3	37.4	35.3	32.2	36.9	42.5	33.6	33.4	34.5	53.2
S.D.	6.744	6.703	5.156	6.020	5.365	7.284	9.447	8.582	14.272	8.211	6.156	4.617	8.376
TOT OBS	18	19	18	18	20	20	19	19	15	18	18	20	11

DAILY PEAK GUST (KNOTS)  
(FROM DAILY OBS)043319 ATSUGI, JAPAN  
PERIOD OF RECORD : 1951-1971LAT. : 35 27N LONG. : 139 27E ELEV. : 214 FT  
PAGE : 1

## YEAR/MONTHS WITH &lt; FULL NUMBER OF OBSERVATIONS

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL PEAK GUST # DAYS
1951	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
1952	NNW 34 30	✓	✓	✓	✓	✓	✓	✓	✓	N 40 30	✓	✓	PEAK GUST # DAYS
1953	✓	✓	✓	✓	✓	✓	✓	✓	S 47 29	✓	✓	✓	PEAK GUST # DAYS
1954	✓	✓	N 28 30	S 35 29	✓	✓	✓	✓	✓	✓	✓	✓	PEAK GUST # DAYS
1955	✓	✓	✓	✓	✓	✓	✓	✓	S 37 28	✓	✓	✓	PEAK GUST # DAYS
1956	✓	✓	✓	✓	✓	✓	✓	✓	✓	S 34 30	✓	✓	PEAK GUST # DAYS
1957	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	N 38 29	✓	PEAK GUST # DAYS
1958	✓	✓	✓	✓	✓	✓	✓	✓	N 61 29	✓	✓	✓	PEAK GUST # DAYS
1959	✓	✓	✓	✓	✓	✓	✓	✓	✓	SSW 80 28	✓	✓	PEAK GUST # DAYS

## 29 - DAILY AVERAGE/EXTREME TEMPERATURES

043319 ATSUGI, JAPAN  
PERIOD OF RECORD : 1951-1971LAT. : 35 27N LONG. : 139 27E ELEV. : 214 FT  
MONTH : JAN

MEAN TEMPERATURE		MAXIMUM TEMPERATURE		MINIMUM TEMPERATURE		EXTREME		EXTREME	
AVERAGE		AVERAGE		AVERAGE		I		I	
DAY	DEG F	DEG C	DEG F	DEG C	DEG F	DEG C	DATE	DEG F	DATE
1	40.1	4.5	51.4	10.8	64.0	17.8	1952.	28.8	1966.
2	39.8	4.3	49.3	9.6	58.0	14.4	1954.	30.2	1968.+
3	39.2	4.0	48.6	9.2	60.0	15.6	1957.	29.8	1963.
4	39.0	3.9	48.4	9.1	60.0	15.6	1960.	29.6	1967.
5	40.5	4.7	51.5	10.8	69.0	20.6	1960.	29.4	1970.
6	38.8	3.8	49.4	9.7	61.0	16.1	1968.	28.3	1970.+
7	40.3	4.6	51.8	11.0	60.0	15.6	1958.	28.8	1970.+
8	38.4	3.5	48.6	9.2	57.0	13.9	1958.	28.1	1969.
9	37.8	3.2	48.8	9.3	63.0	17.2	1954.	26.8	1968.
10	39.5	4.2	50.9	10.5	62.0	16.7	1954.	28.1	1966.+
11	40.0	4.4	50.9	10.5	68.0	20.0	1966.	29.0	1956.
12	39.1	3.9	48.9	9.4	61.0	16.1	1964.	29.3	1965.+
13	40.7	4.8	50.5	10.3	64.0	17.8	1964.	30.8	1965.
14	39.7	4.3	50.4	10.2	66.0	18.9	1964.	28.9	1969.
15	38.9	3.8	49.3	9.6	66.0	18.9	1957.	28.5	1966.+
16	37.6	3.1	49.0	9.5	57.0	13.9	1971.+	26.1	1967.
17	37.3	2.9	49.3	9.6	66.0	18.9	1966.	25.3	1967.
18	38.0	3.3	48.5	9.2	62.0	16.7	1971.	27.5	1970.
19	39.0	3.9	50.7	10.4	60.0	15.6	1967.	27.4	1966.
20	39.5	4.2	50.8	10.4	59.0	15.0	1969.	28.2	1966.
21	39.9	4.4	51.0	10.6	58.0	14.4	1960.	28.8	1966.
22	39.1	3.9	50.0	10.0	64.0	17.8	1967.	28.1	1963.
23	37.8	3.2	48.8	9.3	64.0	17.8	1969.	26.8	1963.
24	37.0	2.8	47.1	8.4	57.0	13.9	1955.	26.8	1963.
25	37.9	3.3	49.4	9.7	64.0	17.8	1959.	26.3	1963.
26	38.9	3.8	50.9	10.5	59.0	15.0	1959.	26.9	1963.
27	40.0	4.5	51.4	10.8	75.0	23.9	1969.	28.7	1963.
28	38.4	3.5	48.8	9.3	56.0	13.3	1957.	28.0	1954.
29	38.9	3.3	49.1	9.5	58.0	14.4	1965.	28.7	1963.
30	40.0	4.4	49.9	10.0	64.0	17.8	1957.	30.0	1954.
31	39.3	4.1	49.6	9.8	59.0	15.0	1970.	29.0	1963.
MONTH	39.0	3.9	49.8	9.9	75.0	23.9	1969.	28.3	1963.

NOTES :  
T = TRACE AMOUNTS (<.01, OR <.5, OR < 1.0 INCHES)  
+ = VALUE OCCURRED IN PREVIOUS YEAR(S).

THIS SYMBOL OMITTED FOR SNOWFALL AND SNOW DEPTH AMOUNTS = 0.0



29 - DAILY AVERAGE/EXTREME TEMPERATURES

043319 AITSUGI, JAPAN  
PERIOD OF RECORD : 1951-1971

LAT. : 35 27N LONG. : 139 27E ELEV. : 214 FT  
MONTH : FEB

MEAN TEMPERATURE			MAXIMUM TEMPERATURE			MINIMUM TEMPERATURE		
AVERAGE	AVERAGE	AVERAGE	AVERAGE	EXTREME	EXTREME	AVERAGE	EXTREME	EXTREME
DEG F	DEG C	DEG C	DEG F	DEG C	DEG F	DEG F	DEG C	DEG C
DAY	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE
1	38.4	3.6	49.4	9.7	60.0	15.6	19.0	-7.2
2	38.0	3.4	49.3	9.6	56.0	13.3	16.0	-8.9
3	38.8	3.8	49.5	9.7	67.0	19.4	16.0	-8.9
4	38.4	3.6	49.3	9.6	58.0	14.4	16.0	-8.9
5	39.5	4.2	51.1	10.6	60.0	15.6	19.0	-7.2
6	38.4	3.6	49.9	10.0	59.0	15.0	17.0	-8.3
7	38.8	3.8	50.8	10.4	63.0	17.2	16.0	-8.9
8	40.0	4.5	51.6	10.9	61.0	16.1	17.0	-8.3
9	41.0	5.0	51.3	10.7	67.0	19.4	20.0	-6.7
10	40.7	4.8	51.1	10.6	63.0	17.2	18.0	-7.8
11	40.0	4.4	49.7	9.8	77.0	25.0	16.0	-8.9
12	40.3	4.6	51.6	10.9	70.0	21.1	19.0	-7.2
13	40.0	4.4	51.1	10.6	67.0	19.4	17.0	-8.3
14	40.7	4.8	52.6	11.4	66.0	18.9	17.0	-8.3
15	39.1	4.0	49.3	9.6	61.0	16.1	19.0	-7.2
16	39.8	4.3	50.1	10.1	65.0	18.3	19.0	-7.2
17	40.4	4.7	50.0	10.0	57.0	13.9	20.0	-6.7
18	40.4	4.7	49.8	9.9	61.0	16.1	21.0	-6.1
19	39.5	4.2	49.2	9.6	65.0	18.3	19.0	-7.2
20	41.8	5.4	52.4	11.3	75.0	23.9	19.0	-7.2
21	41.9	5.5	52.2	11.2	68.0	20.0	23.0	-5.0
22	41.1	5.0	50.6	10.4	63.0	17.2	16.0	-8.9
23	41.6	5.3	51.3	10.7	64.0	17.8	17.0	-8.3
24	40.5	4.7	50.8	10.4	63.0	17.2	21.0	-6.1
25	39.7	4.3	48.0	8.9	63.0	17.2	18.0	-7.8
26	41.5	5.3	50.3	10.2	67.0	19.4	19.0	-7.2
27	42.2	5.7	51.0	10.6	68.0	20.0	22.0	-5.6
28	42.5	5.8	53.8	12.1	73.0	22.9	23.0	-5.0
MONTH	40.4	4.5	50.6	10.3	77.0	25.0	16.0	-8.9

NOTES :  
T = TRACE AMOUNTS (<.01, OR <.5, OR < 1.0 INCHES)  
+ = VALUE OCCURRED IN PREVIOUS YEAR(S).

THIS SYMBOL OMITTED FOR SNOWFALL AND SNOW DEPTH AMOUNTS = 0.0

## 29 - DAILY AVERAGE/EXTREME TEMPERATURES

C43319 AITSUGI, JAPAN  
 PERIOD OF RECORD : 1951-1971  
 LAT. : 35 27N LONG. : 139 27E ELEV. : 214 FT  
 MONTH : MAR

MEAN TEMPERATURE			MAXIMUM TEMPERATURE			MINIMUM TEMPERATURE				
DAY	AVERAGE		DATE	EXTREME		DATE	EXTREME			
	DEG F	DEG C		DEG F	DEG C		DEG F	DEG C		
1	44.0	6.7	54.0	12.2	68.0	20.0	1968.	21.0	-6.1	1967.
2	44.5	6.9	54.2	12.3	69.0	20.6	1961.	22.0	-5.6	1963.
3	44.7	7.1	54.2	12.3	68.0	20.0	1961.	26.0	-3.3	1969.
4	42.6	5.9	50.7	10.4	66.0	18.9	1967.+	24.0	-4.4	1958.
5	42.0	5.6	51.6	10.9	74.0	23.3	1966.	22.0	-5.6	1969.
6	41.6	5.3	51.1	10.6	66.0	18.9	1959.	19.0	-7.2	1970.
7	42.3	5.7	51.3	10.7	65.0	18.3	1962.	22.0	-5.6	1970.
8	42.0	5.6	51.6	10.9	68.0	20.0	1968.	18.0	-7.8	1971.
9	43.5	6.4	53.0	11.6	65.0	18.3	1962.	22.0	-5.6	1971.
10	43.8	6.5	53.1	11.7	64.0	17.8	1962.	24.0	-4.4	1968.
11	47.6	6.5	53.9	12.1	66.0	18.9	1953.	22.0	-5.6	1971.
12	44.6	7.0	54.1	12.3	66.0	18.9	1960.+	28.0	-2.2	1961.
13	43.7	6.5	54.5	12.5	70.0	21.1	1955.	23.0	-5.0	1957.
14	44.1	6.7	54.2	12.4	68.0	20.0	1958.	24.0	-4.4	1965.
15	45.1	7.3	55.1	12.9	71.0	21.7	1951.	24.0	-4.4	1965.
16	46.4	8.0	57.1	14.0	74.0	23.3	1966.	26.0	-3.3	1957.
17	46.7	8.2	57.4	14.1	70.0	21.1	1955.	28.0	-2.2	1960.
18	46.5	8.1	57.9	14.4	69.0	20.6	1961.	22.0	-5.6	1968.
19	48.3	9.1	60.6	15.9	68.0	20.0	1951.	27.0	-2.8	1964.
20	47.4	8.5	57.5	14.2	70.0	21.1	1954.	24.0	-4.4	1970.
21	48.8	9.3	59.5	15.3	71.0	21.7	1963.	23.0	-5.0	1966.
22	46.6	8.1	56.1	13.4	69.0	20.6	1971.	26.0	-3.3	1970.
23	47.0	8.3	57.2	14.0	66.0	18.9	1966.+	25.0	-3.9	1969.
24	46.4	8.0	56.0	13.3	65.0	18.3	1956.	26.0	-3.3	1970.+
25	47.6	8.7	57.4	14.1	68.0	20.0	1958.+	24.0	-4.4	1970.
26	47.8	8.8	58.3	14.6	71.0	21.7	1969.	27.0	-2.8	1970.
27	49.7	9.8	59.6	15.3	72.0	22.2	1969.	27.0	-2.8	1957.
28	48.7	9.3	58.4	14.7	72.0	22.2	1954.	29.0	-1.7	1965.
29	50.0	10.0	59.8	15.4	69.0	20.6	1971.+	28.0	-2.2	1965.
30	50.7	10.4	60.9	16.0	72.0	22.2	1961.	27.0	-2.8	1954.
31	50.8	10.4	61.1	16.2	75.0	23.9	1967.	26.0	-3.3	1958.
MONTH	45.9	7.7	55.9	13.3	75.0	23.9	1967.	18.0	-7.8	1971.

## NOTES :

T = TRACE AMOUNTS (&lt;.01, OR &lt;.5, OR &lt; 1.0 INCHES)

+ = VALUE OCCURRED IN PREVIOUS YEAR(S).

THIS SYMBOL OMITTED FOR SNOWFALL AND SNOW DEPTH AMOUNTS = 0.0

## 29 - DAILY AVERAGE/EXTREME TEMPERATURES

043319 ATSUGI, JAPAN  
 PERIOD OF RECORD : 1951-1971  
 LAT. : 35 27N LONG. : 139 27E ELEV. : 214 FT  
 MONTH : APR

MEAN TEMPERATURE				MAXIMUM TEMPERATURE				MINIMUM TEMPERATURE					
DAY	AVERAGE		DATE	AVERAGE		DATE	EXTREME		AVERAGE		DATE	EXTREME	
	DEG F	DEG C		DEG F	DEG C		DEG F	DEG C	DEG F	DEG C			
1	51.8	11.0		60.9	16.1		76.0	24.4	1967.	42.7	6.0	32.0	.0
2	50.7	10.4		60.0	15.6		70.0	21.1	1964.+	41.3	5.2	26.0	-3.3
3	50.5	10.3		59.4	15.2		74.0	23.3	1967.	41.7	5.4	29.0	-1.7
4	51.7	11.0		61.5	16.4		82.0	27.8	1964.	42.0	5.5	32.0	.0
5	52.4	11.3		63.2	17.4		77.0	25.0	1964.	41.5	5.3	29.0	-1.7
6	53.1	11.7		64.2	17.9		80.0	26.7	1964.	42.0	5.6	31.0	-6
7	54.7	12.6		65.8	18.8		77.0	25.0	1954.	43.7	6.5	31.0	-6
8	53.5	12.0		61.9	16.6		70.0	21.1	1969.+	45.2	7.4	36.0	2.2
9	55.8	13.2		64.4	18.0		73.0	22.8	1957.+	47.2	8.5	37.0	2.8
10	54.7	12.6		64.2	17.9		75.0	23.9	1952.	45.3	7.4	30.0	-1.1
11	54.3	12.4		62.5	16.9		76.0	24.4	1955.	46.1	7.8	32.0	.0
12	53.7	12.1		62.4	16.9		74.0	23.3	1955.	45.0	7.2	27.0	-2.8
13	55.0	12.8		64.0	17.8		79.0	26.1	1969.	45.9	7.7	33.0	.6
14	55.1	12.9		64.8	18.2		78.0	25.6	1969.	45.5	7.5	38.0	3.3
15	54.6	12.6		64.0	17.8		80.0	26.7	1969.	45.3	7.4	33.0	.6
16	55.5	13.1		64.9	18.3		77.0	25.0	1966.+	46.1	7.9	36.0	2.2
17	56.3	13.5		66.9	19.4		80.0	26.7	1965.	45.7	7.6	32.0	.0
18	55.5	13.0		64.8	18.2		86.0	30.0	1964.	46.2	7.9	36.0	2.2
19	53.1	11.7		61.7	16.5		76.0	24.4	1954.	44.6	7.0	36.0	2.2
20	56.6	13.7		66.9	19.4		79.0	26.1	1964.	46.3	7.9	34.0	1.1
21	57.5	14.2		67.3	19.6		75.0	23.9	1971.+	47.8	8.8	37.0	2.8
22	58.2	14.5		67.3	19.6		79.0	26.1	1964.	49.0	9.5	40.0	4.4
23	58.2	14.5		67.0	19.5		82.0	27.8	1964.	49.3	9.6	42.0	5.6
24	58.2	14.6		68.2	20.1		77.0	25.0	1954.	48.3	9.0	35.0	1.7
25	58.5	14.7		67.3	19.6		77.0	25.0	1969.+	49.6	9.8	33.0	.6
26	60.0	15.5		69.7	21.0		77.0	25.0	1958.	50.2	10.1	40.0	4.4
27	59.6	15.3		68.9	20.5		78.0	25.6	1966.	50.3	10.2	38.0	3.3
28	58.4	14.7		67.1	19.5		78.0	25.6	1959.	49.7	9.8	39.0	3.9
29	60.0	15.5		68.7	20.4		78.0	25.6	1951.	51.2	10.7	38.0	3.3
30	60.8	16.0		69.8	21.0		83.0	28.3	1969.	51.9	11.0	39.0	3.9
MONTH	55.6	13.1		65.0	18.3		86.0	30.0	1964.	46.2	7.9	26.0	-3.3
													1965.

## NOTES :

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+ = VALUE OCCURRED IN PREVIOUS YEAR(S).

THIS SYMBOL OMITTED FOR SNOWFALL AND SNOW DEPTH AMOUNTS = 0.0

## 29 - DAILY AVERAGE/EXTREME TEMPERATURES

043319 AITSUGI, JAPAN  
PERIOD OF RECORD : 1951-1971LAT. : 35 27N LONG. : 139 27E ELEV. : 214 FT  
MONTH : MAY

MEAN TEMPERATURE		MAXIMUM TEMPERATURE		MINIMUM TEMPERATURE		EXTREME		EXTREME		DATE	
AVERAGE	AVERAGE	AVERAGE	AVERAGE	AVERAGE	AVERAGE	DEG F	DEG C	DEG F	DEG C	DEG F	DEG C
DAY	DEG F	DEG C	DEG F	DEG C	DEG F	DEG C	DEG F	DEG C	DEG F	DEG C	DATE
1	59.8	15.4	69.0	20.6	78.0	25.6	1969.	50.5	10.3	42.0	5.6
2	60.7	16.0	71.2	21.8	79.0	26.1	1969.+	50.2	10.1	40.0	4.4
3	60.4	15.8	70.1	21.2	81.0	27.2	1964.	50.6	10.3	36.0	2.2
4	61.3	16.3	70.9	21.6	80.0	26.7	1969.	51.8	11.0	41.0	5.0
5	62.5	16.9	70.7	21.5	82.0	27.8	1959.	54.3	12.4	44.0	6.7
6	61.8	16.5	70.3	21.3	80.0	26.7	1968.	53.2	11.8	46.0	7.8
7	59.8	15.4	67.4	19.7	80.0	26.7	1964.+	52.2	11.2	44.0	6.7
8	62.2	16.8	71.6	22.0	82.0	27.8	1964.	52.8	11.6	44.0	6.7
9	62.6	17.0	72.1	22.3	86.0	30.0	1969.	53.0	11.7	42.0	5.6
10	62.6	17.0	71.4	21.9	83.0	28.3	1964.	53.9	12.1	46.0	7.8
11	63.5	17.5	71.9	22.2	81.0	27.2	1956.	55.2	12.9	46.0	7.8
12	63.0	17.2	71.7	22.1	81.0	27.2	1967.	54.3	12.4	42.0	5.6
13	63.4	17.5	73.5	23.0	82.0	27.8	1967.	53.4	11.9	40.0	4.4
14	62.6	17.0	72.5	22.5	81.0	27.2	1968.	52.8	11.5	44.0	6.7
15	62.8	17.1	71.4	21.9	80.0	26.7	1964.+	54.3	12.4	45.0	7.2
16	62.2	16.8	71.2	21.8	80.0	26.7	1964.	53.1	11.7	46.0	7.8
17	62.5	16.9	70.9	21.6	82.0	27.8	1971.+	54.1	12.3	42.0	5.6
18	63.7	17.6	72.8	22.6	80.0	26.7	1967.	54.7	12.6	44.0	6.7
19	63.4	17.4	72.5	22.5	84.0	28.9	1964.	54.3	12.4	45.0	7.2
20	62.9	17.2	71.5	22.0	80.0	26.7	1965.	54.3	12.4	48.0	8.9
21	65.4	18.6	74.8	23.8	82.0	27.8	1968.	56.0	13.4	46.0	7.8
22	65.4	18.5	74.2	23.4	85.0	29.4	1963.	56.5	13.6	48.0	8.9
23	63.7	17.6	72.0	22.2	84.0	28.9	1967.	55.3	13.0	47.0	8.3
24	63.8	17.6	72.5	22.5	85.0	29.4	1964.	55.0	12.8	45.0	7.2
25	64.8	18.2	74.1	23.4	86.0	30.0	1963.	55.5	13.1	47.0	8.3
26	66.0	18.9	75.7	24.3	84.0	28.9	1971.	56.3	13.5	46.0	7.8
27	66.0	18.9	74.9	23.8	82.0	27.8	1970.+	57.2	14.0	40.0	4.4
28	66.2	19.0	74.6	23.7	81.0	27.2	1970.	57.8	14.3	50.0	10.0
29	65.9	18.8	75.1	23.4	82.0	27.8	1967.+	57.7	14.3	52.0	11.1
30	65.9	18.8	74.4	23.6	83.0	28.3	1953.	57.4	14.1	53.0	11.7
31	66.9	19.4	75.8	24.3	87.0	30.6	1967.	58.0	14.4	50.0	10.0
MONTH	63.4	17.4	72.3	22.4	87.0	30.6	1967.	54.4	12.4	36.0	2.2

## NOTES :

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## 29 - DAILY AVERAGE/EXTREME TEMPERATURES

043319 AITSUGI, JAPAN  
PERIOD OF RECORD : 1951-1971LAT. : 35 27N LONG. : 139 27E ELEV. : 214 FT  
MONTH : JUN

MEAN TEMPERATURE				MAXIMUM TEMPERATURE				MINIMUM TEMPERATURE					
AVERAGE		DATE		EXTREME		DATE		AVERAGE		EXTREME		DATE	
DAY	DEG F	DEG C		DEG F	DEG C	DEG F	DEG C	DEG F	DEG C	DEG F	DEG C	DEG F	DEG C
1	67.0	19.5		75.6	24.2	85.0	29.4	1958.	58.5	14.7	52.0	11.1	1969.+
2	66.8	19.4		75.0	23.9	89.0	31.7	1951.	58.7	14.8	54.0	12.2	1969.+
3	66.7	19.3		74.2	23.5	85.0	29.4	1951.	59.1	15.1	52.0	11.1	1966.+
4	67.2	19.5		74.0	23.4	83.0	28.3	1967.+	60.3	15.7	53.0	11.7	1966.
5	68.3	20.1		76.7	24.8	84.0	28.9	1955.	59.9	15.5	52.0	11.1	1966.
6	68.3	20.1		75.8	24.3	87.0	30.6	1956.	60.7	16.0	48.0	8.9	1964.
7	67.0	19.5		76.0	24.5	87.0	30.6	1970.	58.0	14.4	44.0	6.7	1964.
8	66.6	19.2		74.5	23.6	86.0	30.0	1968.	58.7	14.8	49.0	9.4	1969.
9	66.9	19.4		74.4	23.6	87.0	30.6	1953.	59.4	15.2	51.0	10.6	1969.
10	67.8	19.9		75.5	24.2	85.0	29.4	1965.+	60.0	15.6	53.0	11.7	1969.+
11	68.4	20.2		76.4	24.7	86.0	30.0	1968.	60.3	15.7	52.0	11.1	1966.
12	67.6	19.8		74.6	23.7	85.0	29.4	1968.	60.6	15.9	50.0	10.0	1966.
13	68.4	20.2		76.4	24.7	84.0	28.9	1967.	60.3	15.7	46.0	7.8	1966.
14	68.7	20.4		76.2	24.6	86.0	30.0	1967.	61.1	16.2	53.0	11.7	1966.
15	69.5	20.9		77.4	25.2	86.0	30.0	1967.	61.7	16.5	53.0	11.7	1969.
16	68.4	20.2		75.1	24.0	83.0	28.3	1956.+	61.7	16.5	57.0	13.9	1951.
17	69.6	20.9		76.8	24.9	86.0	30.0	1951.	62.5	16.9	56.0	13.3	1970.
18	70.5	21.4		78.0	25.6	90.0	32.2	1956.	63.1	17.3	58.0	14.4	1957.+
19	69.6	20.9		77.0	25.0	84.0	28.9	1956.	62.3	16.8	54.0	12.2	1962.
20	70.9	21.6		78.5	25.8	87.0	30.6	1951.	63.3	17.4	49.0	9.4	1962.
21	71.9	22.2		78.6	25.9	86.0	30.0	1963.	65.2	18.4	57.0	13.9	1954.
22	70.7	21.5		77.6	25.3	87.0	30.6	1963.	63.8	17.7	57.0	13.9	1954.
23	70.0	21.1		76.8	24.9	89.0	31.7	1963.	63.1	17.3	54.0	12.2	1954.
24	72.1	22.3		80.5	27.0	87.0	30.6	1967.	63.6	17.6	58.0	14.4	1954.
25	71.7	22.1		78.2	25.7	91.0	32.8	1955.	65.2	18.4	59.0	15.0	1962.+
26	72.2	22.3		79.2	26.2	92.0	33.3	1963.	65.2	18.4	58.0	14.4	1951.
27	72.0	22.2		79.1	26.2	88.0	31.1	1965.+	64.9	18.3	58.0	14.4	1951.
28	72.7	22.6		79.2	26.2	90.0	32.2	1971.	66.2	19.0	60.0	15.6	1951.
29	74.2	23.5		81.1	27.3	93.0	33.9	1963.	67.4	19.7	61.0	16.1	1966.+
30	74.6	23.7		81.2	27.3	93.0	33.9	1963.	68.1	20.1	59.0	15.0	1966.
MONTH	69.5	20.9		77.0	25.0	93.0	33.9	1963.+	62.1	16.7	44.0	6.7	1964.

## NOTES :

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+ = VALUE OCCURRED IN PREVIOUS YEAR(S).

THIS SYMBOL OMITTED FOR SNOWFALL AND SNOW DEPTH AMOUNTS = 0.0

## 29 - DAILY AVERAGE/EXTREME TEMPERATURES

043319 ATSUGI, JAPAN  
PERIOD OF RECORD : 1951-1971LAT. : 35 27N LONG. : 139 27E ELEV. : 214 FT  
MONTH : JUL

MEAN TEMPERATURE				MAXIMUM TEMPERATURE				MINIMUM TEMPERATURE					
DAY	AVERAGE		DATE	AVERAGE		DATE	EXTREME		AVERAGE		DATE	EXTREME	
	DEG F	DEG C		DEG F	DEG C		DEG F	DEG C	DEG F	DEG C			
1	74.3	23.5		80.0	26.7		93.0	33.9	1963.	68.5	20.3	64.0	17.8
2	74.4	23.6		81.5	27.5		89.0	31.7	1961.	67.3	19.6	61.0	16.1
3	74.2	23.5		81.2	27.3		92.0	33.3	1967.	67.3	19.6	57.0	13.9
4	73.3	22.9		79.0	26.1		90.0	32.2	1967.	67.5	19.7	57.0	13.9
5	73.2	22.9		78.3	25.7		87.0	30.6	1957.	68.1	20.1	59.0	15.0
6	73.0	22.8		78.5	25.8		86.0	30.0	1959.	67.5	19.7	63.0	17.2
7	73.6	23.1		79.8	26.5		92.0	33.3	1961.	67.4	19.7	61.0	16.1
8	73.8	23.2		79.1	26.2		92.0	33.3	1961.	68.4	20.2	60.0	15.6
9	74.6	23.7		81.3	27.4		97.0	36.1	1961.	68.0	20.0	59.0	15.0
10	74.0	23.3		79.6	26.5		87.0	30.6	1963.+	68.3	20.2	63.0	17.2
11	74.1	23.4		79.8	26.6		89.0	31.7	1961.	68.3	20.2	62.0	16.7
12	74.5	23.6		80.4	26.9		89.0	31.7	1964.	68.5	20.3	61.0	16.1
13	75.4	24.1		82.0	27.8		92.0	33.3	1964.	68.9	20.5	61.0	16.1
14	75.9	24.4		83.2	28.4		92.0	33.3	1965.+	68.7	20.4	59.0	15.0
15	76.9	24.9		84.3	29.1		95.0	35.0	1961.	69.4	20.8	59.0	15.0
16	77.1	25.1		84.3	29.0		95.0	35.0	1965.	70.0	21.1	63.0	17.2
17	77.5	25.3		84.1	28.9		92.0	33.3	1967.+	70.9	21.6	66.0	18.9
18	76.6	24.8		83.3	28.5		94.0	34.4	1963.	69.8	21.0	66.0	18.9
19	76.2	24.5		82.6	28.1		90.0	32.2	1968.	69.8	21.0	66.0	18.9
20	77.5	25.3		84.3	29.0		92.0	33.3	1968.	70.7	21.5	67.0	19.4
21	77.8	25.5		84.3	29.1		92.0	33.3	1968.	71.4	21.9	64.0	17.8
22	78.5	25.8		85.3	29.6		93.0	33.9	1966.	71.6	22.0	64.0	17.8
23	78.1	25.6		84.8	29.3		92.0	33.3	1968.+	71.4	21.9	66.0	18.9
24	78.8	26.0		85.6	29.8		91.0	32.8	1968.+	72.0	22.2	68.0	20.0
25	79.5	26.4		86.8	30.4		93.0	33.9	1962.	72.3	22.4	68.0	20.0
26	79.1	26.2		86.6	30.3		93.0	33.9	1970.	71.7	22.1	67.0	19.4
27	80.0	26.7		87.3	30.7		92.0	33.3	1969.+	72.6	22.6	69.0	20.6
28	80.5	27.0		87.6	30.9		93.0	33.9	1951.	73.4	23.0	71.0	21.7
29	80.6	27.0		88.0	31.1		96.0	35.6	1969.	73.2	22.9	69.0	20.6
30	80.9	27.2		88.3	31.2		95.0	35.0	1969.	73.6	23.1	70.0	21.1
31	80.2	26.8		87.0	30.6		92.0	33.3	1957.	73.3	23.0	69.0	20.6
MONTH	76.6	24.8		83.2	28.4		97.0	36.1	1961.	70.0	21.1	57.0	13.9

## NOTES :

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+ = VALUE OCCURRED IN PREVIOUS YEAR(S).

THIS SYMBOL OMITTED FOR SNOWFALL AND SNOW DEPTH AMOUNTS = 0.0

## 29 - DAILY AVERAGE/EXTREME TEMPERATURES

043319 AITSUGI, JAPAN

LAT. : 35 27N LONG. : 139 27E ELEV. : 214 FT

PERIOD OF RECORD : 1951-1971

MONTH : AUG

MEAN TEMPERATURE		MAXIMUM TEMPERATURE		MINIMUM TEMPERATURE			
AVERAGE		AVERAGE		AVERAGE		EXTREME	
DAY	DEG F	DEG C	DEG F	DEG C	DEG F	DEG C	DATE
1	80.7	27.1	88.3	31.3	94.0	34.4	1957.
2	80.7	27.1	88.1	31.2	100.0	37.8	1956.
3	80.4	26.9	87.9	31.1	95.0	35.0	1956.
4	80.1	26.7	87.8	31.0	96.0	35.6	1962.
5	79.7	26.5	87.1	30.6	94.0	34.4	1967.
6	79.6	26.5	86.9	30.5	94.0	34.4	1951.
7	79.9	26.6	87.6	30.9	96.0	35.6	1951.
8	80.0	26.7	87.3	30.7	96.0	35.6	1966.
9	80.0	26.7	87.8	31.0	98.0	36.7	1954.
10	79.8	26.6	87.3	30.7	97.0	36.1	1951.
11	79.3	26.3	86.5	30.3	97.0	36.1	1951.
12	80.3	26.8	88.3	31.3	97.0	36.1	1965.
13	80.8	27.1	88.5	31.4	96.0	35.6	1965.
14	79.5	26.4	86.9	30.5	93.0	33.9	1969.+
15	79.2	26.2	86.3	30.1	92.0	33.3	1969.+
16	78.8	26.0	86.3	30.2	92.0	33.3	1964.
17	80.5	27.0	88.4	31.3	96.0	35.6	1967.
18	80.4	26.9	88.6	31.4	96.0	35.6	1953.
19	79.2	26.2	86.6	30.4	94.0	34.4	1961.
20	79.8	26.5	87.5	30.9	94.0	34.4	1965.
21	79.5	26.4	86.6	30.3	102.0	38.9	1953.
22	79.6	26.4	86.4	30.2	98.0	36.7	1953.
23	78.3	25.7	84.7	29.3	95.0	35.0	1954.
24	78.2	25.7	85.4	29.7	93.0	33.9	1965.
25	78.8	26.0	86.0	30.0	94.0	34.4	1967.+
26	77.9	25.5	84.4	29.1	96.0	35.6	1952.
27	78.2	25.7	85.2	29.6	95.0	35.0	1952.
28	78.4	25.8	85.1	29.5	91.0	32.8	1952.
29	77.5	25.3	84.4	29.1	93.0	33.9	1970.+
30	75.2	24.0	81.1	27.3	91.0	32.8	1959.
31	75.4	24.1	82.4	28.0	91.0	32.8	1960.
MONTH	79.2	26.2	86.5	30.3	102.0	38.9	1953.
					71.9	22.2	60.0 15.6 1953.+

## NOTES :

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THIS SYMBOL OMITTED FOR SNOWFALL AND SNOW DEPTH AMOUNTS = 0.0

## 29 - DAILY AVERAGE/EXTREME TEMPERATURES

043319 AITSUGI, JAPAN

LAT. : 35 27N LONG. : 139 27E ELEV. : 214 FT

PERIOD OF RECORD : 1951-1971

MONTH : SEP

MEAN TEMPERATURE		MAXIMUM TEMPERATURE		MINIMUM TEMPERATURE		EXTREME		EXTREME		DATE		AVERAGE		EXTREME		DATE		AVERAGE		EXTREME		DATE	
DAY	DEG F	DEG C	AVERAGE	DEG F	DEG C	DEG F	DEG C	DEG F	DEG C	DEG F	DEG C	DEG F	DEG C	DEG F	DEG C	DEG F	DEG C	DEG F	DEG C	DEG F	DEG C	DEG F	DEG C
1	75.6	24.2	83.1	28.4	90.0	32.2	1969.+	68.1	20.1	64.0	17.8	1963.+											
2	76.5	24.7	83.8	28.7	93.0	33.9	1966.	69.3	20.7	64.0	17.8	1957.											
3	76.6	24.9	84.6	29.2	93.0	33.9	1970.	68.9	20.5	61.0	16.1	1951.											
4	76.1	24.5	83.1	28.4	93.0	33.9	1960.	69.0	20.6	61.0	16.1	1951.											
5	75.3	24.1	82.8	28.2	92.0	33.3	1961.+	67.9	19.9	61.0	16.1	1957.											
6	76.2	24.5	83.6	28.7	91.0	32.8	1958.	68.8	20.4	64.0	17.8	1966.											
7	75.4	24.1	82.2	27.9	89.0	31.7	1955.	68.5	20.3	62.0	16.7	1968.											
8	74.7	23.7	81.2	27.3	86.0	30.0	1966.+	68.3	20.2	63.0	17.2	1964.											
9	74.4	23.6	81.0	27.2	92.0	33.3	1962.	67.9	19.9	58.0	14.4	1969.											
10	75.1	23.9	82.9	28.3	90.0	32.2	1967.	67.3	19.6	58.0	14.4	1968.											
11	74.4	23.6	81.5	27.5	91.0	32.8	1954.	67.3	19.6	57.0	13.9	1968.											
12	74.2	23.4	81.2	27.3	92.0	33.3	1952.	67.2	19.6	57.0	13.9	1968.											
13	73.6	23.1	80.2	26.8	91.0	32.8	1970.+	67.1	19.5	61.0	16.1	1964.											
14	72.3	22.4	78.7	25.9	89.0	31.7	1955.	66.0	18.9	60.0	15.6	1951.											
15	73.7	23.2	80.0	26.7	92.0	33.3	1953.	67.3	19.6	60.0	15.6	1966.											
16	73.9	23.3	80.3	26.9	92.0	33.3	1969.	67.4	19.7	59.0	15.0	1956.											
17	71.2	21.8	77.0	25.0	86.0	30.0	1962.	65.4	18.6	57.0	13.9	1956.+											
18	73.3	23.0	80.9	27.2	91.0	32.8	1958.	65.8	18.8	56.0	13.3	1963.											
19	71.5	22.0	79.8	26.5	89.0	31.7	1962.	63.3	17.4	55.0	12.8	1957.											
20	69.8	21.0	78.0	25.6	87.0	30.6	1962.	61.6	16.5	53.0	11.7	1951.											
21	70.6	21.4	78.8	26.0	90.0	32.2	1962.	62.4	16.9	50.0	10.0	1951.											
22	70.6	21.5	79.1	26.2	87.0	30.6	1970.	62.2	16.8	53.0	11.7	1963.											
23	69.6	20.9	76.8	24.9	85.0	29.4	1968.	62.4	16.9	55.0	12.8	1964.+											
24	69.1	20.6	76.3	24.6	95.0	35.0	1961.	61.8	16.6	47.0	8.3	1963.											
25	68.8	20.4	74.9	23.9	85.0	29.4	1954.+	62.6	17.0	56.0	13.3	1969.											
26	69.4	20.8	76.8	24.9	92.0	33.3	1953.	62.0	16.7	53.0	11.7	1962.											
27	67.0	19.5	75.0	23.9	86.0	30.0	1959.	59.1	15.1	49.0	9.4	1962.											
28	66.0	18.9	73.9	23.3	82.0	27.8	1953.	58.0	14.5	48.0	8.9	1962.											
29	66.5	19.2	74.4	23.6	85.0	29.4	1962.	58.6	14.8	51.0	10.6	1966.+											
30	66.7	19.3	74.1	23.4	87.0	30.6	1968.	59.3	15.2	50.0	10.0	1965.											
MONTH	72.3	22.4	79.5	26.4	95.0	35.0	1961.	65.0	18.4	47.0	8.3	1963.											

## NOTES :

T = TRACE AMOUNTS (&lt;.01, OR &lt;.5, OR &lt; 1.0 INCHES)

+ = VALUE OCCURRED IN PREVIOUS YEAR(S).

THIS SYMBOL OMITTED FOR SNOWFALL AND SNOW DEPTH AMOUNTS = 0.0



043319 ATSUGI, JAPAN  
PERIOD OF RECORD : 1951-1971

LAT. : 35 27N LONG. : 139 27E ELEV. : 214 FT  
MONTH : OCT

MEAN TEMPERATURE			MAXIMUM TEMPERATURE			MINIMUM TEMPERATURE		
AVERAGE		I	AVERAGE		I	AVERAGE		I
DAY	DEG F	DEG C	DAY	DEG F	DEG C	DAY	DEG F	DEG C
1	66.7	19.3	74.0	23.4	85.0	29.4	1968.	15.2
2	65.3	18.5	73.0	22.8	81.0	27.2	1962.	14.2
3	64.7	18.2	71.8	22.1	83.0	28.3	1962.	14.2
4	65.2	18.5	73.0	22.8	79.0	26.1	1959.+	14.1
5	64.8	18.2	72.4	22.5	80.0	26.7	1965.+	14.0
6	64.5	18.1	71.8	22.1	88.0	31.1	1968.	14.0
7	62.5	17.0	69.3	20.7	79.0	26.1	1961.	13.2
8	63.1	17.3	71.3	21.9	80.0	26.7	1960.	12.7
9	63.1	17.3	70.8	21.6	84.0	28.9	1952.	13.0
10	63.9	17.7	73.0	22.8	81.0	27.2	1970.+	12.6
11	63.5	17.5	70.9	21.6	80.0	26.7	1959.	13.4
12	62.6	17.0	70.8	21.5	78.0	25.6	1967.+	12.4
13	62.4	16.9	71.0	21.7	78.0	25.6	1966.	12.1
14	62.2	16.8	69.8	21.0	78.0	25.6	1966.+	12.6
15	63.4	17.5	72.9	22.7	80.0	26.7	1951.	12.2
16	63.1	17.3	72.8	22.6	80.0	26.7	1963.	11.9
17	63.1	17.3	71.8	22.1	86.0	30.0	1963.	12.5
18	60.5	15.9	67.8	19.9	80.0	26.7	1961.	11.9
19	60.8	16.0	69.3	20.7	82.0	27.8	1961.	11.4
20	58.8	14.9	67.4	19.7	79.0	26.1	1951.	10.1
21	58.7	14.8	66.8	19.3	76.0	24.4	1967.	10.3
22	59.8	15.4	68.4	20.2	76.0	24.4	1967.+	10.6
23	59.2	15.1	66.8	19.3	78.0	25.6	1969.	10.9
24	58.3	14.6	65.6	18.7	76.0	24.4	1970.+	10.6
25	59.7	15.4	67.0	19.5	77.0	25.0	1953.	11.3
26	58.9	14.9	65.6	18.7	77.0	25.0	1969.	11.2
27	58.1	14.5	64.8	18.2	75.0	23.9	1965.	10.8
28	58.5	14.7	64.8	18.2	78.0	25.6	1965.	11.2
29	59.0	15.0	67.8	19.9	81.0	27.2	1961.+	10.2
30	58.3	14.6	67.8	19.9	75.0	23.9	1963.	9.3
31	58.3	14.6	68.1	20.1	76.0	24.4	1967.	9.2
MONTH	61.7	16.5	69.6	20.9	88.0	31.1	1968.	12.0
								2.2
								1970.

NOTES :  
T = TRACE AMOUNTS (.01, OR .5, OR < 1.0 INCHES)

+ = VALUE OCCURRED IN PREVIOUS YEAR(S).

THIS SYMBOL OMITTED FOR SNOWFALL AND SNOW DEPTH AMOUNTS = 0.0

043319 AITSUGI, JAPAN

PERIOD OF RECORD : 1951-1971

LAT. : 35 27N LONG. : 139 27E ELEV. : 214 FT  
MONTH : NOV

MEAN TEMPERATURE			MAXIMUM TEMPERATURE			EXTREME			MINIMUM TEMPERATURE			EXTREME		
DAY	DEG F	DEG C	AVERAGE	DEG F	DEG C	DEG F	DEG C	DATE	AVERAGE	DEG F	DEG C	DEG F	DEG C	DATE
1	58.3	14.6	67.8	19.9	75.0	23.9	1966.+	1966.+	48.7	9.3	42.0	5.6	1951.	
2	58.0	14.5	65.7	18.7	75.0	23.9	1969.	1969.	50.4	10.2	36.0	2.2	1952.	
3	57.5	14.2	66.4	19.1	76.0	24.4	1967.	1967.	48.5	9.2	40.0	4.4	1963.	
4	57.4	14.1	67.5	19.7	79.0	26.1	1962.	1962.	47.3	8.5	32.0	.0	1966.	
5	57.8	14.3	67.5	19.7	79.0	26.1	1965.	1965.	48.1	9.0	40.0	4.4	1970.	
6	57.0	13.9	66.8	19.3	74.0	23.3	1965.	1965.	47.1	8.4	35.0	1.7	1962.	
7	55.9	13.3	66.1	18.9	75.0	23.9	1966.	1966.	45.7	7.6	37.0	2.8	1969.	
8	56.7	13.7	66.8	19.3	77.0	25.0	1963.	1963.	46.6	8.1	37.0	2.8	1970.	
9	56.0	13.4	65.2	18.4	77.0	25.0	1967.	1967.	46.9	8.3	35.0	1.7	1955.	
10	55.1	12.8	64.1	17.9	74.0	23.3	1969.	1969.	46.0	7.8	41.0	5.0	1951.	
11	53.7	12.1	63.8	17.6	74.0	23.3	1958.	1958.	43.6	6.5	34.0	1.1	1970.	
12	52.6	11.4	62.8	17.1	76.0	24.4	1952.	1952.	42.3	5.7	28.0	-2.2	1970.	
13	53.0	11.7	62.4	16.9	71.0	21.7	1969.	1969.	43.5	6.4	34.0	1.1	1965.	
14	54.2	12.3	64.8	18.2	79.0	26.1	1966.	1966.	43.6	6.5	33.0	.6	1961.	
15	51.3	10.7	61.4	16.4	73.0	22.8	1969.	1969.	41.1	5.1	32.0	.0	1970.	
16	51.5	10.8	60.5	15.8	76.0	24.4	1969.	1969.	42.4	5.8	27.0	-2.8	1970.	
17	50.9	10.5	59.3	15.1	73.0	22.8	1952.	1952.	42.5	5.8	30.0	-1.1	1968.	
18	50.1	10.1	58.1	14.5	68.0	20.0	1961.	1961.	42.1	5.6	33.0	.6	1968.	
19	50.5	10.3	58.9	14.9	64.0	17.8	1966.+	1966.+	42.1	5.6	29.0	-1.7	1968.	
20	50.7	10.4	58.9	14.9	67.0	19.4	1968.+	1968.+	42.5	5.9	32.0	.0	1968.	
21	50.4	10.2	59.1	15.1	71.0	21.7	1970.	1970.	41.8	5.4	30.0	-1.1	1953.	
22	49.4	9.7	58.1	14.5	65.0	18.3	1955.	1955.	40.6	4.8	26.0	-3.3	1966.	
23	49.6	9.8	58.3	14.6	76.0	24.4	1963.	1963.	40.9	4.9	30.0	-1.1	1964.	
24	50.0	10.0	59.7	15.4	69.0	20.6	1968.+	1968.+	40.3	4.6	25.0	-3.9	1962.	
25	49.5	9.7	58.6	14.8	69.0	20.6	1968.	1968.	40.3	4.6	27.0	-2.8	1970.	
26	49.2	9.6	58.4	14.7	73.0	22.8	1960.	1960.	40.0	4.4	26.0	-3.3	1969.	
27	47.8	8.8	57.0	13.9	71.0	21.7	1968.	1968.	38.5	3.6	30.0	-1.1	1967.	
28	47.5	8.6	57.3	14.1	70.0	21.1	1957.	1957.	37.7	3.2	28.0	-2.2	1969.	
29	48.5	9.2	58.8	14.9	69.0	20.6	1964.	1964.	38.3	3.5	27.0	-2.8	1951.	
30	47.3	8.5	55.5	13.1	67.0	19.4	1967.	1967.	39.2	4.0	24.0	-4.4	1970.	
MONTH	52.6	11.4	61.9	16.6	79.0	26.1	1966.+	1966.+	43.3	6.3	24.0	-4.4	1970.	

## NOTES :

T = TRACE AMOUNTS (&lt;.01, OR &lt;.5, OR &lt; 1.0 INCHES)

+ = VALUE OCCURRED IN PREVIOUS YEAR(S).

THIS SYMBOL OMITTED FOR SNOWFALL AND SNOW DEPTH AMOUNTS = 0.0

LA<sup>T</sup>. : 35 27N LONG. : 139 27E ELEV. : 214 FT  
MONTH : DEC

MEAN TEMPERATURE				MAXIMUM TEMPERATURE				MINIMUM TEMPERATURE						
DAY	AVERAGE		I	AVERAGE		I	EXTREME		I	AVERAGE		I	EXTREME	
	DEG F	DEG C		DEG F	DEG C		DEG F	DEG C		DEG F	DEG C		DEG F	DEG C
1	47.5	8.6		58.7	14.8		67.0	19.4		1969.	36.4	2.4	20.0	-6.7
2	46.3	7.9		56.3	13.5		68.0	20.0		1953.	36.3	2.4	25.0	-3.9
3	46.9	8.3		57.6	14.2		68.0	20.0		1968.	36.3	2.4	26.0	-3.3
4	45.6	7.5		54.8	12.7		64.0	17.8		1959.+	36.3	2.4	26.0	-3.3
5	44.6	7.0		53.8	12.1		66.0	18.9		1963.	35.4	1.9	24.0	-4.4
6	46.2	7.9		57.8	14.3		68.0	20.0		1968.	34.5	1.4	26.0	-3.3
7	45.3	7.4		55.8	13.2		67.0	19.4		1969.	34.8	1.5	27.0	-2.8
8	46.1	7.9		57.0	13.9		68.0	20.0		1969.+	35.3	1.8	25.0	-3.9
9	44.7	7.1		55.9	13.3		74.0	23.3		1954.	33.6	.9	20.0	-6.7
10	45.2	7.4		56.2	13.4		68.0	20.0		1968.	34.3	1.3	21.0	-6.1
11	44.5	7.0		56.4	13.6		64.0	17.8		1968.	32.7	.4	22.0	-5.6
12	44.5	6.9		55.4	13.0		64.0	17.8		1965.+	33.5	.9	22.0	-5.6
13	46.1	7.8		58.6	14.8		71.0	21.7		1957.	33.6	.9	21.0	-6.1
14	43.4	6.3		54.5	12.5		67.0	19.4		1959.	32.3	.2	21.0	-6.1
15	44.9	7.2		56.3	13.5		65.0	18.3		1955.	33.4	.8	20.0	-6.7
16	42.4	5.8		53.2	11.8		61.0	16.1		1955.	31.7	-.2	24.0	-4.4
17	43.2	6.2		54.3	12.4		66.0	18.9		1953.	32.2	.1	21.0	-6.1
18	43.9	6.6		55.4	13.0		65.0	18.3		1970.	32.4	.2	19.0	-7.2
19	42.8	6.0		52.1	11.2		60.0	15.6		1962.+	33.4	.8	25.0	-3.9
20	43.9	6.6		54.5	12.5		65.0	18.3		1954.	33.3	.7	23.0	-5.0
21	44.6	7.0		56.3	13.5		69.0	20.6		1968.	32.8	.5	23.0	-5.0
22	41.8	5.4		53.0	11.7		62.0	16.7		1969.	30.6	-.8	23.0	-5.0
23	42.6	5.9		53.4	11.9		62.0	16.7		1962.+	31.8	-.1	25.0	-3.9
24	42.9	6.1		54.3	12.4		69.0	20.6		1963.	31.5	-.3	20.0	-6.7
25	40.7	4.9		50.3	10.2		60.0	15.6		1963.	31.1	-.5	22.0	-5.6
26	42.1	5.6		52.1	11.2		62.0	16.7		1951.	32.1	.1	21.0	-6.1
27	42.0	5.5		51.5	10.8		64.0	17.8		1958.	32.4	.2	22.0	-5.6
28	40.5	4.7		50.3	10.2		60.0	15.6		1955.	30.6	-.8	16.0	-8.9
29	40.8	4.9		51.0	10.6		60.0	15.6		1955.	30.5	-.8	17.0	-8.3
30	41.1	5.1		51.6	10.9		65.0	18.3		1955.	30.6	-.8	20.0	-6.7
31	40.7	4.9		51.7	10.9		61.0	16.1		1959.	29.8	-1.2	20.0	-6.7
MONTH	43.6	6.6		54.5	12.5		74.0	23.3		1954.	33.1	.6	16.0	-8.9
														1966.

NOTES :

T = TRACE AMOUNTS (&lt;.01, OR &lt;.5, OR &lt; 1.0 INCHES)

\* = VALUE OCCURRED IN PREVIOUS YEAR(S).

THIS SYMPOLOM OMITTED FOR SNOWFALL AND SNOW DEPTH AMOUNTS = 0.0

# 10 - EXTREME VALUES

## MAXIMUM TEMPERATURE (DEG F) (FROM DAILY OBS)

043319 ATSUGI, JAPAN  
PERIOD OF RECORD : 1951-1971  
LAT. : 35 27N LONG. : 139 27E ELEV. : 214 FT  
PAGE : 1

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
1951	MISS	MISS	71	78	82	89	94	97	89	81	72	66	PART
1952	64	53	66	79	82	83	91	96	92	84	76	62	96
1953	60	67	68	PART	83	87	92	102	92	79	78	68	PART
1954	63	73	72	77	79	81	89	98	91	76	73	74	98
1955	59	68	70	77	78	92	93	92	89	81	70	65	93
1956	60	65	69	79	81	90	91	100	90	78	72	64	100
1957	66	56	70	74	79	84	92	94	83	76	71	71	94
1958	60	67	68	78	83	83	88	93	91	80	74	64	93
1959	64	75	69	78	82	81	92	93	91	80	74	67	93
1960	69	67	71	74	78	86	89	91	93	80	74	66	93
1961	58	58	72	76	83	86	97	94	95	83	70	66	97
1962	59	77	68	76	84	85	93	96	92	83	79	64	96
1963	56	60	71	80	86	93	94	92	92	86	77	69	94
1964	66	57	71	86	85	85	92	93	89	84	75	63	93
1965	58	68	64	80	82	91	95	97	87	80	79	64	97
1966	68	69	74	78	81	89	93	96	93	79	79	60	96
1967	64	64	75	77	87	89	94	96	90	79	77	63	96
1968	61	59	73	75	82	86	92	93	88	88	75	69	93
1969	75	67	72	83	86	83	96	93	92	79	76	68	96
1970	59	65	64	77	82	87	93	93	93	81	71	65	93
1971	62	63	70	81	84	90	MISS	MISS	MISS	MISS	MISS	MISS	MISS

MEAN	62.5	64.9	69.9	78.1	82.3	87.1	92.5	94.9	90.6	80.8	74.6	65.9	95.1
S.D.	4.594	6.332	2.897	2.907	2.517	3.291	2.259	2.656	2.644	3.066	2.998	3.275	2.127
TOT OBS	20	20	21	20	21	21	20	20	20	20	20	20	18

30 - EXTREME VALUES

MAXIMUM TEMPERATURE (NEG F)  
(FROM DAILY OBS)

043319 ATSUGI, JAPAN  
PERIOD OF RECORD : 1951-1971

YEAR/MONTHS WITH < FULL NUMBER OF OBSERVATIONS

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL MAX TEMP # DAYS
1953				75. 29									

LAT. : 35 27N LONG. : 139 27E ELEV. : 214 FT  
PAGE : 1

## 31 - EXTREME VALUES

MINIMUM TEMPERATURE (DEG F)  
(FROM DAILY OBS)043319 AITSUGI, JAPAN  
PERIOD OF RECORD : 1951-1971LAT. : 35 27N LONG. : 139 27E ELEV. : 214 FT  
PAGE : 1

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
1951	MISS	MISS	26	33	42	47	58	66	49	44	27	27	PART
1952	21	19	28	30	44	52	63	68	55	46	36	22	19
1953	19	17	26	PART	36	55	59	60	57	48	30	27	PART
1954	14	21	27	37	44	52	59	68	59	43	38	28	14
1955	23	22	28	29	43	55	70	64	55	48	35	23	22
1956	19	25	26	33	42	57	63	61	57	45	34	24	19
1957	21	25	23	31	45	51	63	67	55	39	39	26	21
1958	22	27	24	33	40	52	63	65	55	43	34	29	22
1959	17	25	31	38	47	53	66	65	60	46	37	26	17
1960	22	25	28	36	42	53	66	63	51	46	30	28	22
1961	20	16	27	30	49	53	67	66	59	51	32	28	16
1962	17	20	25	32	44	49	61	66	48	40	25	25	17
1963	9	19	22	29	43	48	59	66	47	45	26	23	9
1964	18	18	27	42	40	44	62	67	53	42	29	22	18
1965	20	16	23	26	41	57	64	63	50	43	31	19	16
1966	15	19	23	40	42	46	57	66	51	42	26	16	15
1967	12	17	21	34	46	51	64	65	57	40	30	17	12
1968	18	16	22	36	42	58	64	68	57	41	29	23	16
1969	16	20	22	32	46	49	59	65	56	37	26	20	16
1970	14	16	19	36	47	54	60	65	54	36	24	20	14
1971	20	19	18	35	48	57	MISS	MISS	MISS	MISS	MISS	MISS	MISS
MEAN	17.8	20.1	24.6	33.6	43.5	52.0	62.3	65.2	54.3	43.3	30.9	23.6	16.9
S.D.	3.646	3.582	3.280	3.979	3.076	3.853	3.376	2.167	3.796	3.796	4.564	3.829	3.556
TOT OBS	20	20	21	20	21	21	20	20	20	20	20	20	18

MINIMUM TEMPERATURE (DEG F)  
(FROM DAILY OBS)

U43319 AYSUGI, JAPAN  
PERIOD OF RECORD : 1951-1971

LAT. : 35 27N LONG. : 139 27E ELEV. : 214 FT  
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YEAR/MONTHS WITH &lt; FULL NUMBER OF OBSERVATIONS

[illegible]

HEATING DEGREE DAYS (BASE 65 DEG F)  
(FROM DAILY OBS)

LAT. : 35 27N LONG. : 139 27E ELEV. : 214 FT  
PAGE : 1

[illegible]



COOLING DEGREE DAYS (BASE 65 DEG F)  
(FROM DAILY OBS)

043319 ATSUGI, JAPAN  
PERIOD OF RECORD : 1951-1971

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[illegible]

LAT. : 35 27N LONG. : 139 27E ELEV. : 214 FT  
PAGE : 1

[illegible]

TOTAL PRECIPITATION (INCHES)  
(FROM DAILY OBS)

043319 AITSUGI, JAPAN  
PERIOD OF RECORD : 1951-1971

LAT. : 35 27N LONG. : 139 27E ELEV. : 214 FT  
PAGE : 1

[illegible]

## 36 - WEATHER CONDITIONS

ATMOSPHERIC PHENOMENON  
(FROM DAILY OBSERVATIONS)043319 AITSUGI, JAPAN  
PERIOD OF RECORD : 1951-1971LAT. : 35 27N LONG. : 139 27E ELEV. : 214 FT  
MONTH : ALL

MONTH	HOURS	TSTM	RAIN	FREEZE	SNOW	HAIL	% OF	FOG	SMOKE	BLOWING	DUST	% OBS.	TOTAL
	(LST)		W/DR	RAIN & FREEZE OR DRIZZLE	W/DR SLEET		PRECIP		W/DR HAZE	SNOW	W/DR SAND	VISION	NO. OF OBS.
JAN	DAILY	.8	25.8	.0	10.8	.0	31.0	27.1	76.9	.0	.2	82.3	620
FEB	DAILY	.4	31.8	.0	15.4	.4	38.7	37.1	79.8	.5	1.2	85.5	560
MAR	DAILY	.9	47.6	.0	9.8	.2	50.2	48.4	78.8	.3	.6	85.3	651
APR	DAILY	1.0	54.4	.0	.6	.0	54.4	61.4	79.0	.2	.6	88.4	629
MAY	DAILY	2.2	51.2	.0	.2	.3	51.2	74.5	81.6	.0	.6	93.2	651
JUN	DAILY	2.2	62.4	.0	.0	.2	62.4	84.6	84.9	.0	.0	96.5	630
JUL	DAILY	3.7	61.0	.0	.0	.0	61.0	84.2	87.4	.0	.0	94.4	620
AUG	DAILY	8.7	50.6	.0	.0	.0	50.6	78.5	85.3	.0	.0	92.4	620
SEP	DAILY	2.7	61.0	.0	.0	.0	61.0	75.7	83.8	.0	.0	93.3	600
OCT	DAILY	1.0	52.1	.0	.0	.0	52.1	66.9	79.2	.0	.2	91.0	620
NOV	DAILY	1.0	40.7	.0	.5	.0	40.8	50.2	86.8	.0	.0	92.5	600
DEC	DAILY	.5	26.1	.0	1.6	.0	26.6	36.8	89.8	.0	.0	92.4	620
ANN	DAILY	2.1	47.2	.0	3.2	.1	48.4	60.7	82.8	.1	.3	90.6	7421

NOTES :

\* - PERCENT &lt; .05

## 37 - STATION CLIMATIC SUMMARY

43319 ATSUGI, JAPAN

43319 ATSUGI, JAPAN  
PERIOD OF RECORD (HOURLY): 1951-1987

PERIOD OF RECORD (DAILY) : 1951-1971

LAT. : 35 27N LONG. : 139 27E ELEV. : 214 FT

[illegible]

Month	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
JAN	50	28	39	75	9	1.9	5.3	.1	1.6	1	11	6	66	44	.13	24	80	N	7	51	CLR	6	2	1	#	#	8	0	#	23	
FEB	51	30	40	77	16	2.0	5.1	.4	1.9	3	14	11	67	46	.14	26	80	N	7	52	OVR	8	1	2	1	#	10	0	#	19	
MAR	56	36	46	75	18	3.8	6.8	1.8	2.9	2	20	12	73	51	.19	33	85	N	8	49	OVR	11	3	1	#	15	0	#	10		
APR	65	46	56	86	26	4.8	8.2	1.6	2.8	1	3	3	79	57	.30	45	80	N	8	54	OVR	13	3	#	#	19	0	3	1	0	
MAY	72	54	64	87	36	5.9	12.3	2.4	3.3	1	1	1	85	60	.43	54	80	S	10	49	OVR	13	4	0	0	1	23	0	12	0	
JUN	77	62	70	93	44	7.6	15.6	2.4	8.8	0	0	0	89	68	.58	63	75	S	9	50	OVR	14	4	0	0	1	25	#	21	0	
JUL	83	70	77	97	57	5.6	12.0	1.0	3.8	0	0	0	91	71	.74	70	70	S	8	68	OVR	13	4	0	0	1	26	5	29	0	
AUG	87	72	79	102	60	5.7	12.6	2.3	4.2	0	0	0	89	67	.79	72	70	S	9	52	OVR	12	4	0	0	3	24	10	30	0	
SEP	80	65	73	95	47	7.1	14.1	.4	7.3	0	0	0	88	68	.63	65	70	N	7	80	OVR	13	4	0	0	1	23	2	24	0	
OCT	70	54	62	88	36	5.7	12.4	2.7	4.1	0	0	0	84	62	.41	53	70	N	7	55	OVR	13	4	0	0	#	21	0	8	0	
NOV	67	43	53	79	24	3.1	6.4	.6	2.7	1	1	1	78	55	.27	42	70	N	7	48	OVR	10	2	0	0	#	15	0	1	2	0
DEC	55	33	44	74	16	2.3	8.7	.3	3.3	1	1	1	71	48	.17	31	75	N	6	45	CLR	6	2	0	0	#	11	0	0	15	1
JAN	67	50	59	102	9	55.6	68.5	41.2	8.8	7	30	12	80	58	.34	48	80	N	8	80	OVR	133	37	3	1	8	225	17	129	72	6

**NOTES :**

TEST = TRACE AMOUNTS ( < .05, < .5 INCHES

MEAN NO. DAYS < .5 DAYS

\$ = PRESSURE ALTITUDE IN TENS OF FEET (I.E., 50 = 500 FEET)

NAVY STATIONS REPORTED HAIL AS SNOWFALL

STATIONS REPORTED HAIL AS SNOWFALL FOR THE PERIOD JULY 1948-DECEMBER 1955.

\* = THE PREDOMINANT SKY CONDITION

# = VISIBILITY IS NOT CONSIDERED

\* - VISIBILITY IS NOT CONSIDERED  
 & - ANNUAL TOTALS MAY DIFFER FROM THE SUM OF THE MONTHLY VALUES BECAUSE OF ROUNDING

2 = ANNUAL TOTALS MAY DIFFER FROM THE SUM OF THE MONTHLY VALUES BECAUSE OF ROUNDING  
3 = 24 HOUR MAXIMUM PRECIPITATION AND SNOWFALL ARE DAILY TOTAL VALUES (MID-NIGHT TO MID-NIGHT TOTALS).

\*\*\* = A STAR FILLED FIELD -- DATA NOT AVAILABLE